www.ebodeelectronics.eu

User Manual

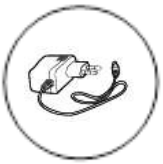
IPV68P2P

Wi-Fi HD960P 1.3MP PTZ Dome P2P IP Camera

Before using this product, please read this document carefully and visit www.ebodeelectronics.eu for latest manual, Software and FAQ.

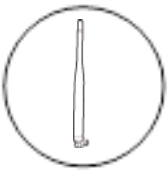
Contents of the kit:

1x IP Camera


1x Power Adapter

1x Resource CD

1x Ethernet Cable


1x Wi-Fi Antenna

1x Quick Start Guide

1x Surveillance Sticker

1x ebode leaflet

Technical Specification:

- Wi-Fi HD960P 1.3MP PTZ Dome P2P IP Camera
- P2P Feature For Easy Remote Access
- H.264 Video Compression
- 3x Zoom Lens Provide Detailed View
- Motion Detection Alarm via E-Mail And FTP
- Free ebode DDNS Service Embedded
- Compatible With Free ebode Central Management Software
- Compatible With Free ebode iOS And Android APP
- Supports IEEE 802.11n Wireless Connection
- Supports WEP, WPA And WPA2 Encryption
- Supports Two-Way Audio
- With 21pcs IR-LEDs, Night Vision Range Up To 20m
- Day / Night Surveillance, IR LEDs On / Off Auto Switch

User Guide

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1. Conformity of Use

For carefree and safe use of this product, please read this manual and safety information carefully and follow the instructions. The unit is registered as a device that does not cause or suffer from radio-frequency interference. It is CE approved and it conforms with the Low Voltage Directory. The safety and installation instructions must be observed. Technical manipulation of the product or any changes to the product are forbidden, due to security and approval issues. Please take care to set up the device correctly - consult your user guide. Young children should use the device only under adult supervision. No guarantee or liability will be accepted for any damage caused due to incorrect use of the equipment supplied, other than indicated in this owner's manual.

Safety Warnings

- To prevent short circuits, this product (except if specified for outdoor usage) should only be used inside and only in dry spaces. Do not expose the components to rain or humidity.
- Only connect the power cord to the mains after checking whether the mains voltage is the same as the values on the rating labels. Never connect a power cord when it is damaged. In that case, contact your supplier. If there is any danger of a thunderstorm, it is a good precaution to unplug the power supply from the mains network in order to protect it from lightning. The same applies if the system is to be out of action for any length of time.
- Avoid strong mechanical tear and wear, extreme ambient temperatures, strong vibrations and atmospheric humidity.
- Do not disassemble any part of the product: no user-serviceable parts are inside. The product should only be repaired or serviced by qualified and authorized service personnel. Defected pieces must be replaced by original (spare) parts.
- Batteries: keep batteries out of the reach of children. Dispose of batteries as chemical waste. Never use old and new batteries or different types of batteries together. Remove the batteries when you are not using the system for a longer period of time. When inserting batteries be sure the polarity is respected. Make sure that the batteries are not short circuited and are not disposed in fire (danger of explosion).

In case of improper usage or if you have opened, altered and repaired the product yourself, all guarantees expire. The supplier does not accept responsibility in the case of improper usage of the product or when the product is used for purposes other than specified. The supplier does not accept responsibility for additional damage other than covered by the legal product responsibility.

2. Introduction

The IPV68P2P is the first 960HD 1.3M wireless indoor/outdoor camera with PTZ (3x Optical Zoom) & Auto-Focus from ebode. The IPV68P2P offers a hassle-free, 3-steps installation, thanks to its unique QR code scanning method. This dome camera keeps an eye on your house, office, store, garage with live views during day- and night. The camera includes an IR-Cut Filter which is designed to reflect or block mid-infrared wavelengths while passing visible light. The IR-Cut filter will prevent that colors of the camera footage will be faded due to infrared light fall from sources like the sun. The camera has an IR Range up to 20 meters. Thanks to the Wi-Fi Standard IEEE802.11 b/g/n and security standard WEP, WPA and WPA2 the IPV68P2P uses a secured and safe wireless (or wired LAN) connection to forward H.264 video compression pictures. A free DDNS service is embedded to assure live feeds wherever you are. The IPV68P2P operates with browsers Microsoft IE7 and above or compatible web-browsers; Mozilla Firefox, Google Chrome, Apple Safari. The IPV68P2P supports the Onvif protocol for NVR recording, motion detection warning via e-mail and 2-way audio. The IPV68P2P Includes a free app for both iOS and Android!

3. Overview

The IP Camera is an integrated wireless IP Camera with a colour CMOS sensor enabling viewing resolution 1280*960. It combines a high quality digital video camera, with a powerful web server, to bring clear video to your desktop from anywhere on your local network or over the Internet.

Thanks to the P2P easy access technology, you don't need to do complicated Port Forwarding and DDNS settings, you just need to scan the QR code on the bottom of the camera to connect it on smart phone, or input the UID to do remote access.

The IP Camera supports the industry-standard H.264 compression technology, drastically reducing file sizes and conserving valuable network bandwidth.

The IPCAM is based on the TCP/IP standard. There is a WEB server inside which could support Internet Explorer. Therefore the management and maintenance of your device is simplified by using the network to achieve the remote configuration and start-up.

The camera is designed for outdoor surveillance applications such as courtyards, supermarket, and school. Controlling the IPCAM and managing images are simplified by using the provided web interface across the network utilizing wireless connectivity.

The IPCAM provides Smart Phone APP for Android and iPhone users, please search and install IPCam Viewer on Google Play for Android devices, search and install IPCam_Viewer on APP Store for iOS devices, then you can view your camera anywhere, anytime on your smart mobile devices.

3.1 Key Features

- Standard H.264 video compression algorithm to satisfy the transmission of high definition video in narrow bandwidth network
- P2P feature for easy access
- 1.3 Mega-Pixel
- Supports IE/Firefox/Google/Safari browser or any other standard browsers
- Supports WEP,WPA and WPA2 Encryption
- Wi-Fi compliant with wireless standards IEEE 802.11b/g/n
- IR night vision (Range:20m)
- Supports image snapshot
- Supports dual-stream
- Supports IR-Cut and the filter change automatically
- Embedded DDNS(dynamic domain name service) Service
- Supports remote viewing & record from anywhere anytime
- Multi-level users management with password protection
- Motion detection alert via email or upload image to FTP
- Supporting Third Party Domain name
- Providing Phone APPs for Android and iPhone users
- Supports multiple network protocols: HTTP /HTTPS /RTSP / TCP/IP / UDP/ FTP/ DHCP/ DDNS/ UPNP /ONVIF

3.2 Read Before Use

Please first verify that all contents received are complete according to the Package Contents listed on page 2. Before the IP Camera is installed, please carefully read and follow the instructions in the Quick Installation Guide to avoid damage due to faulty assembly and installation. This also ensures the product is used properly as intended.

3.3 Physical Description

Front Panel

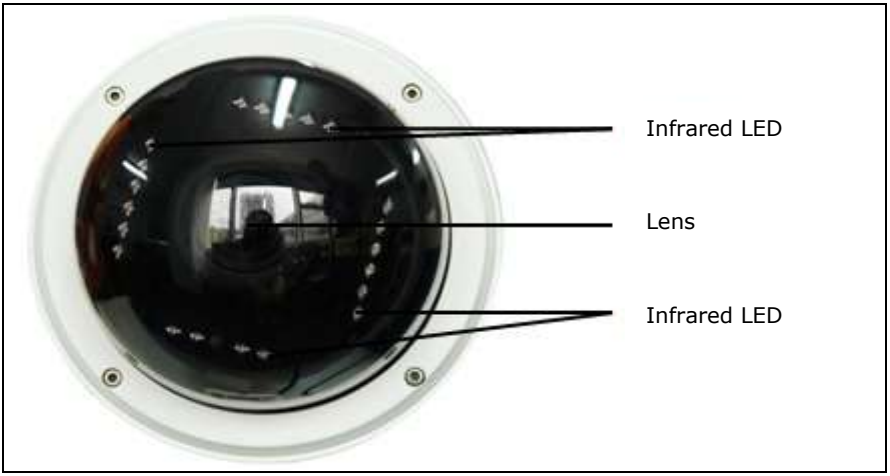


Figure 3.1

Infrared LED: 21 IR LEDs, night visibility up to 20 meters
LENS: CMOS sensor with zoom lens

Back View

Figure 3.2

WIFI Antenna: Wireless Antenna

Interface View

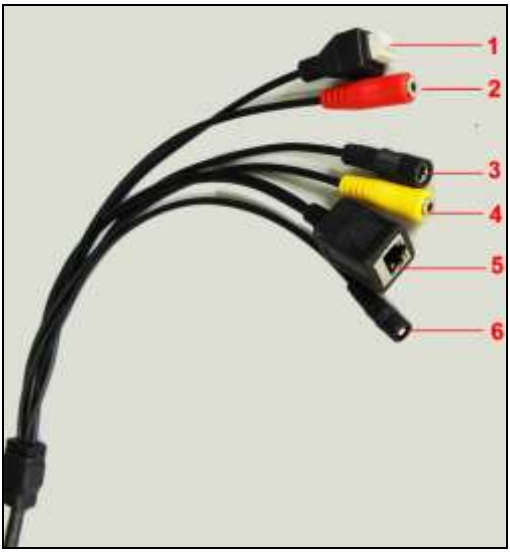


Figure 3.3

1) I/O alarm terminal block

This network camera provides a I/O alarm terminal block which is used to connect to external input / output device. The pin(there are four number in the terminal block from no. 1 to no. 4) definitions are descripted below:

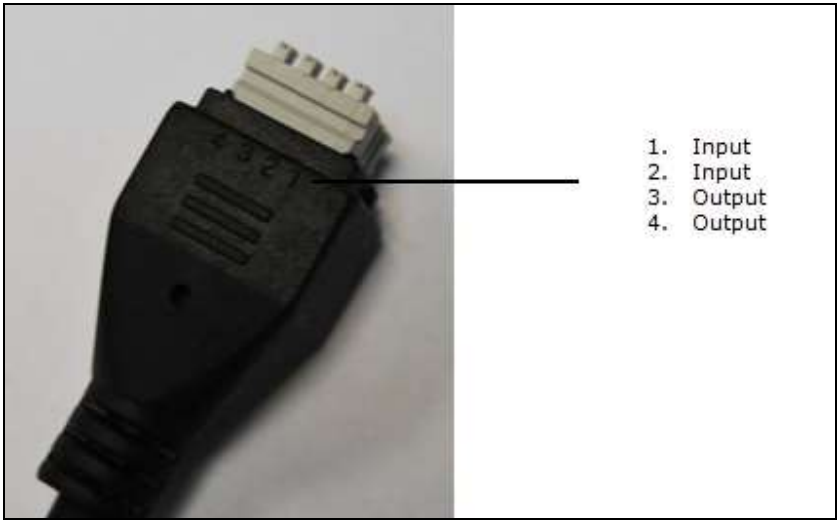


Figure 3.4

This camera supports I/O alarm, go to Settings – Alarm – I/O page to configure it.

2) Audio output interface
The jack is used to plug external speakers.

3) Power Interface
Connect the external power adapter, request for 12V/2A power.

4) Audio input interface
The jack is used to plug external microphone.

5) LAN
10/100M adaptive Ethernet interface. Through this interface, IPCAM can be connected with various network devices, such as hub, router, etc.

6) Reset button
Press and hold on the reset button for 5 seconds. Releasing the reset button, the password will back to the factory default administrator password. The default administrator user is admin with no password.

Bottom View
There are up to three labels located on the body of the camera; this is an important feature of original cameras. If your camera does not have labels as shown in Figure 3.4, it may be a clone one. Cloned cameras cannot use original firmware and are not eligible for warranty or technical services.

Figure 3.4

4. Access the IP Camera

This chapter explains how to access the camera through browser and RTSP player.

4.1 Access the Camera in LAN

This camera supports HTTP and HTTPS protocols, you can access the camera by 2 ways.

(1) http:// LAN IP + HTTP Port NO. Double click the IP Camera Tool icon and it should find the camera's IP address automatically after you plug in the network cable.

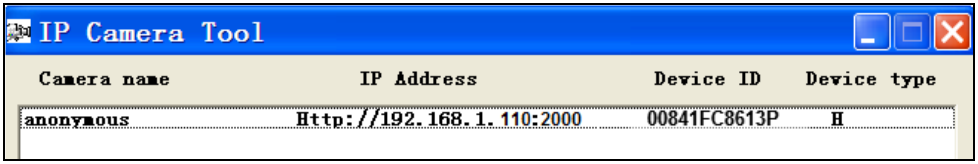


Figure 4.1

Double click the IP address of the camera; your default browser will open to the camera login page.

(2) https:// LAN IP + HTTPS Port NO. The default Https port NO. is 443. You can use the url to access the camera: https:// LAN IP + HTTPS port. Go to Settings - Network - Port panel , you can see and change the https and https port NO.

Figure 4.2

HTTPS(Hypertext Transfer Protocol over Secure Socket Layer) is a safe way to access your camera, the data transferred on the Internet will be encrypted. Since we cannot apply license for every LAN or DDNS URL, the webpage may pop up a warning like the following picture, you just need to click 'Continue to this website (not recommended). '

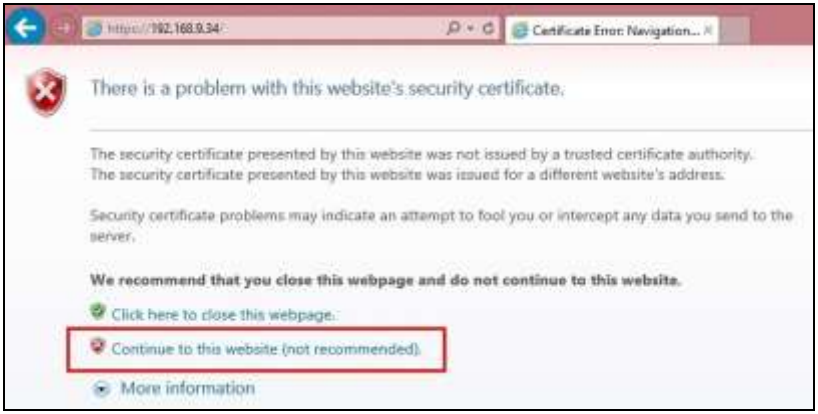

Certificate Error: Navigation...
There is a problem with this website's security certificate.
The security certificate presented by this website was not issued by a trusted certificate authority.
The security certificate presented by this website was issued for a different website's address.
Security certificate problems may indicate an attempt to fool you or intercept any data you send to the server.
We recommend that you close this webpage and do not continue to this website.
Click here to close this webpage.
Continue to this website (not recommended).
More information

Figure 4.3

Open Internet Explorer if it is not already opened. Click on Tools, then click Internet Options. Next, click the Security tab, then click the Trusted sites button.

Figure 4.4

For Firefox, you can add the trusted as the following way: Tools ---- Options ---- Advanced --- View Certificates --- Servers

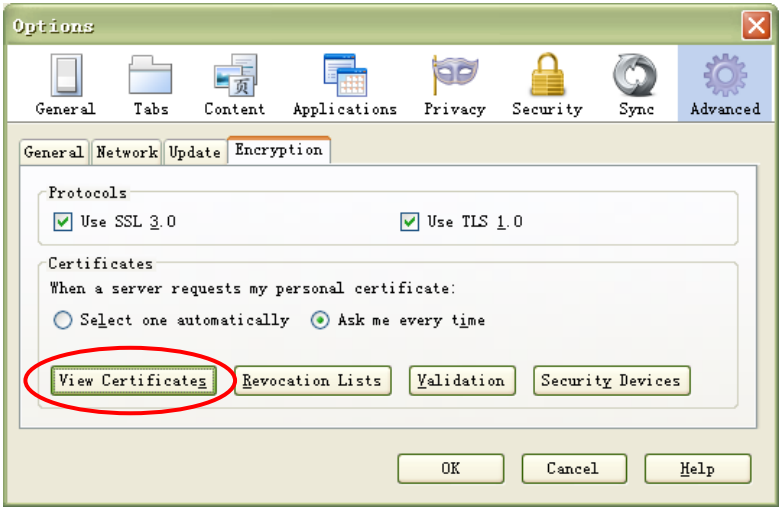


Figure 4.5

Click View Certificates, and go to Servers option.

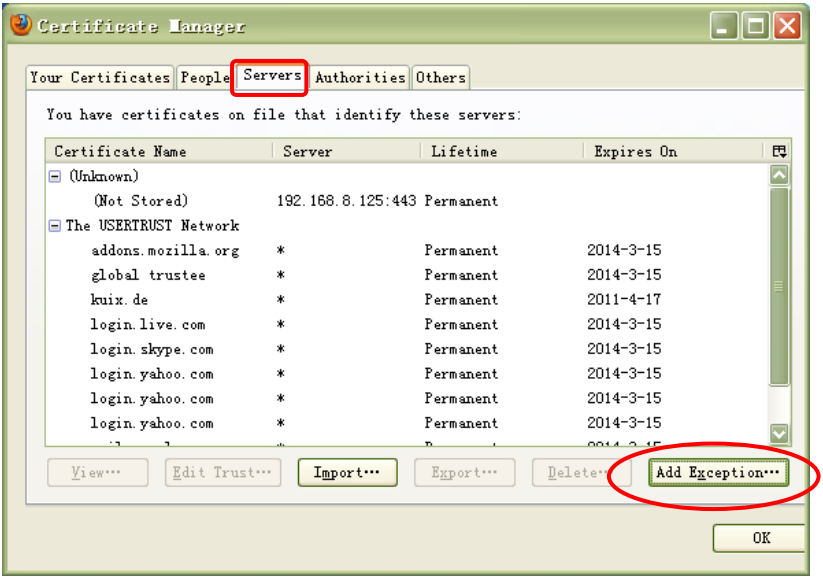


Figure 4.6

Go to Add Exception panel.

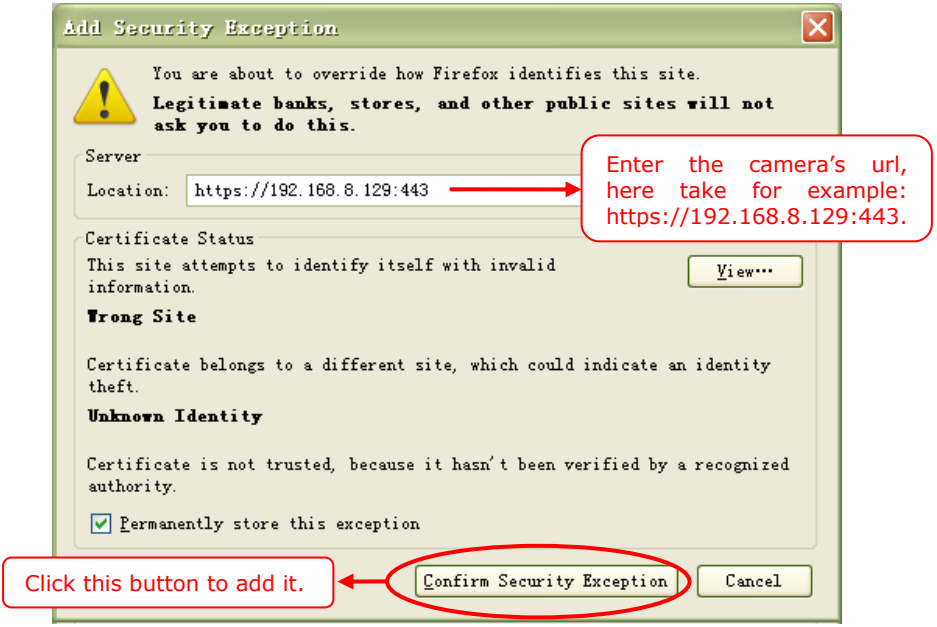

Add Security Exception
You are about to override how Firefox identifies this site.
Legitimate banks, stores, and other public sites will not ask you to do this.
Server
Location: https://192.168.8.129:443
Enter the camera's url, here take for example: https://192.168.8.129:443.
Certificate Status
This site attempts to identify itself with invalid information.
View...
Wrong Site
Certificate belongs to a different site, which could indicate an identity theft.
Unknown Identity
Certificate is not trusted, because it hasn't been verified by a recognized authority.
Permanently store this exception
Click this button to add it.
Confirm Security Exception
Cancel

Figure 4.7

4.2 Access the Camera in WAN

2.2.1 Static IP Addresses
Users who have static IP addresses do not need to set DDNS service settings for remote access. When you have finished connecting the camera using the LAN IP address and port forwarding, you can access the camera directly from the Internet using the WAN IP address and port number.

How to Obtain the WAN IP address from a public website
To obtain your WAN IP address, enter the following URL in your browser: http://www.whatismyip.com. The page at this address will show you the current WAN IP.

Figure 4.8

Access your IP Camera from the Internet
You can access the IP Camera from the Internet (remote access). Enter the WAN IP address and port number in your standard browser. For example, you would enter http:// 183.37.28.254:85

NOTE: Make sure port forwarding is successful. You can do port forwarding two ways.

1. Login to your router to enable the "UPNP" function. You can then login to the camera as administrator, choose Network, and then choose UPnP to enable UPnP. Make sure that the status of UPnP reads "UPnP Successful" on the Device Status page.
2. Do port (HTTP port) forwarding manually. (See Figure 2.11 for further details)
If your router has a Virtual Server, it can do port forwarding. Add the camera's LAN IP and port which you had set earlier to your router's port forwarding settings.

NOTE: If you plug the camera into a router, it will have a dynamic IP address and you need to set DDNS service settings to view it remotely.

2.2.2 Dynamic IP Addresses
DDNS is a service that allows your IP Camera, especially when assigned with a dynamic IP address, to have a fixed host and domain name. This means that even though your WAN IP address is constantly changing, you will have a fixed hostname you can use to access your cameras at all times. You can access the camera directly from the Internet using the hostname and port number.

What is the HTTP Port NO.?
Default HTTP Port is 88
All cameras have the default HTTP port of 88. For example, if the LAN IP link of the camera is http://192.168.8.102:88, this means that the camera's HTTP port is 88. You can change port 88 to another port if you'd like such as 2000 or 8090, which will not be conflict with other existing ports like 25, 21,10000.Here you can set the port no. between 1 and 65535.

Change the default http NO.88 to another one.

How to assign a different HTTP Port No. and fixed the LAN IP of the camera by the IP Camera Tool?

Step 1) Open the IP Camera Tool, select the camera you would like to change the port of, right click on the IP address, and click on "Network Configuration", this brings up the network configuration box.

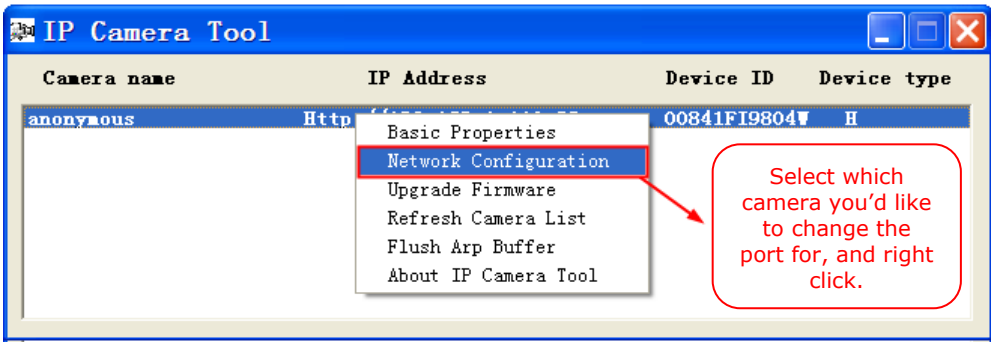


Figure 4.9

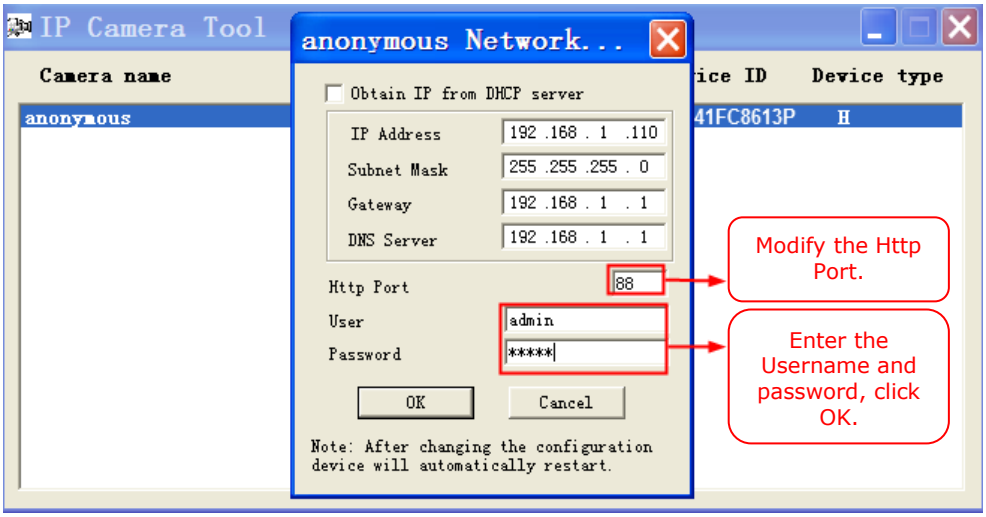


Figure 4.10

Step 2) Enter the username and password of the Administrator (default username is admin with a blank password), and click "OK" to apply changes.

Step 3) Wait around 10 seconds, you'll see that the camera's LAN IP address has changed. In our example it was changed to 2000, so we see http://192.168.8.102:2000 in IP Camera Tool. Also, the LAN IP address is now fixed at a static IP address of http://192.168.8.102:2000. This IP address will not change even if the camera is powered off and back on, the camera will remain on this LAN IP address. This is very important that a static LAN IP address is set, or you may have problems later with remote access and seeing the camera remotely if the camera loses power and reconnects on a different LAN IP address. Make sure you set a static LAN IP address!

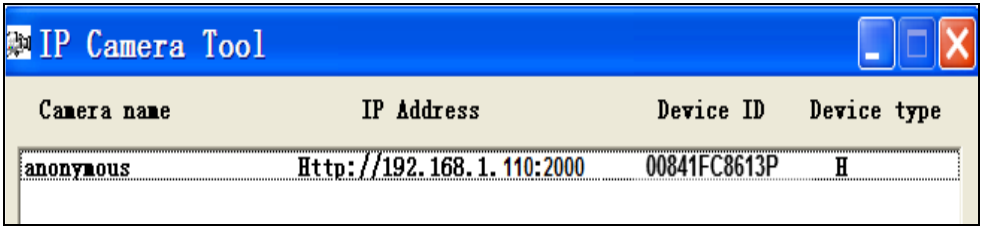


Figure 4.11

What is Port forwarding?
If you have never done port forwarding before, you can open and view the following link to understand the basic concept. Port forwarding allows for outside connections to access a specific device on your network from anywhere in the world. Every router automatically blocks any incoming connections for safety purposes. Using port forwarding, you are telling your router to allow a connection through a certain port (you can think of it as a gateway) into your router. You set this port to a specific device, in our case an IP Camera, so it can be accessed from anywhere in the world.

Learn more about port forwarding: http://portforward.com/help/portforwarding.html

How do we configure Port Forwarding?
For this section, we will be using an example:
Let's say the camera's LAN IP address is http://192.168.8.100:2000

Step 1) Login to the router, and go to your router's port forwarding or port triggering menu. Sometimes this is also under the name of Virtual Server or NAT.

Using the Linksys brand router as an example, we would log into the router, and go to the Applications & Gaming menu. We would then click on the "Single Port Forwarding" sub-menu.

Step 2) Create a new column using the LAN IP address & HTTP Port of the camera within the router as shown below, then push OK or Submit to save your settings:

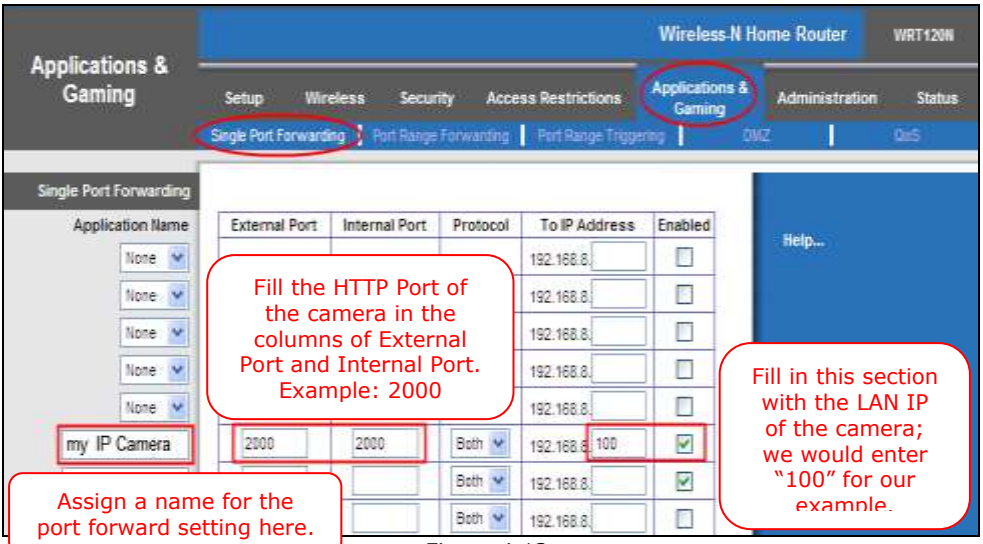


Figure 4.12

First method:

Use the embedded DDNS to access the camera via the Internet

Each camera has an embedded unique DDNS domain name, the format of this domain name is xxxxxx.myipcamera.org. On the bottom of the camera, you can see the domain name sticker with this information on it.

For example, we can use test09.myipcamera.org. In the camera, click Settings at the top, click "Network" on the left, then click "DDNS" to get to the DDNS settings page. Here you can see the unique domain name of your camera.

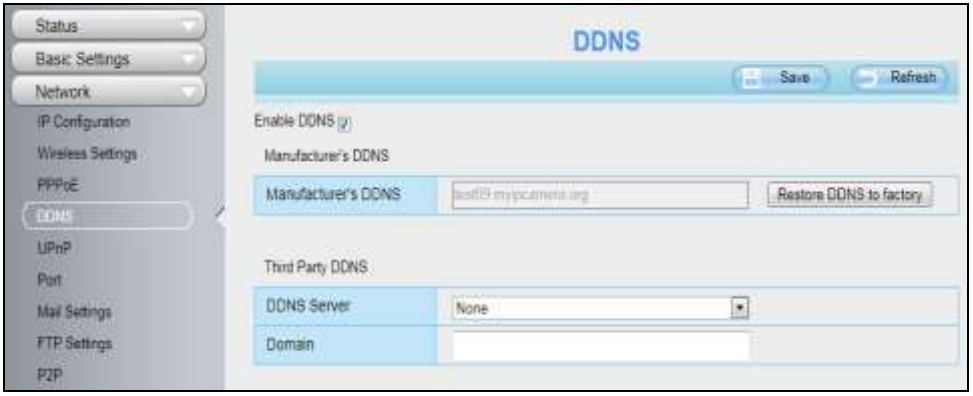


Figure 4.13

Now you can use "http://Domain name + HTTP Port" to access the camera via the Internet. Take hostname test09.myipcamera.org and HTTP Port of 2000 for example, the URL link to access the camera via the Internet would be http:// test09.myipcamera.org:2000.

Second method:
Use the Third party DDNS to access the camera via the Internet
Step 1) Please go to the third party DDNS website(such as www.no-ip.com) to create a free hostname.
Step 2) DO DDNS Service Settings within the Camera.

Please set DDNS Settings within the camera by hostname, a user name and password you've got from www.no-ip.com. Take hostname ycxgwp.no-ip.info, user name test, password test2012 for example.

Firstly, goes to option of DDNS Settings on the administrator panel.

Secondly, select No-Ip as a server.

Thirdly, fill test as DDNS user, fill password test2012 as DDNS password, fill ycxgwp.no-ip.info as DDNS domain and server URL, Then click save to make effect. The camera will restart and to take the DDNS settings effective.

Fourthly, after the restart, login the camera, and go to option of Device Status on the administrator panel, and check if the DDNS status is successful. If failed, please double check if you have input the correct hostname, user name, and password, and try to redo the settings.

NOTE: If you have set Third Party DDNS successfully ,the Domain Name will be invalid. The Third Party DDNS and the Domain Name cannot work at the same time, the last time you configured will take effect.

4.3 Using the VLC player
This camera supports RTSP streaming, here you can view the camera using VLC player.

RTSP URL rtsp:// [user name][:password]@IP:HTTP port number / videostream

The part in the square brackets may be omitted.
Username & password: The username + password to access the camera. Can be omitted.
IP: WAN or LAN IP address.
Videostream: Here support three mode: videoMain, videoSub and audio. When the network speed is bad, here you had better select videoSub. If you select audio, you can only hear the sound but cannot see the video.

For example:
IP: 192.168.1.11
HTTP Port number: 88
User name: admin
Password: 123

Here I can enter one of the following URLs in the VLC.
1) rtsp://admin:123@192.168.1.11:88/videoMain
2) rtsp:// @192.168.1.11:88/videoMain
3) rtsp://:123@192.168.1.11:88/videoMain
4) rtsp://admin@192.168.1.11:88/videoMain

Open the VLC, and go to Media□Open Network Stream option, then enter the URL into VLC.

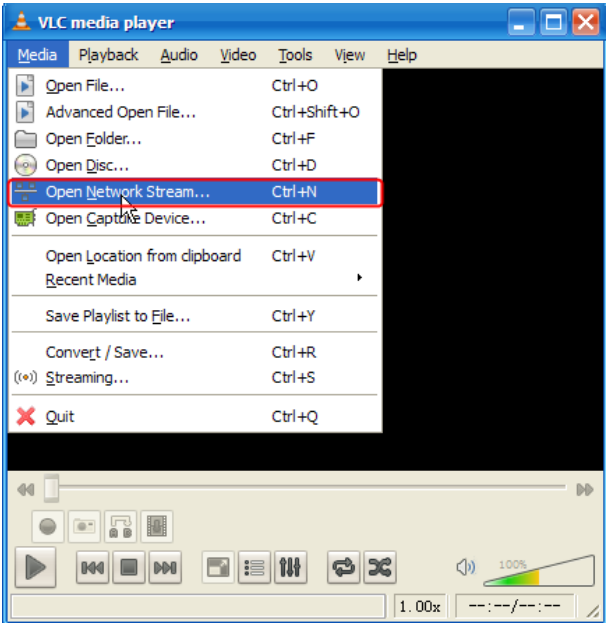


Figure 4.14

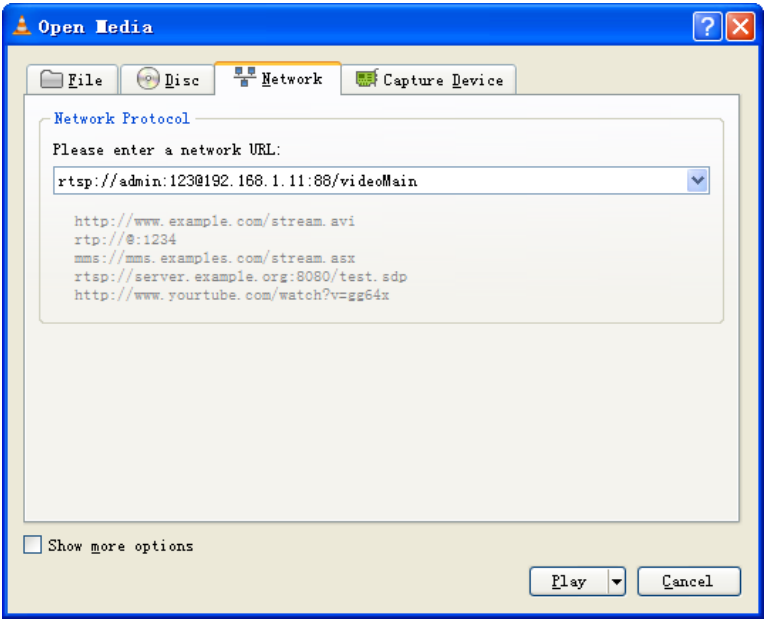


Figure 4.15

Sometimes you may need to enter the user name and password again. Click OK and you can see the real-time preview.

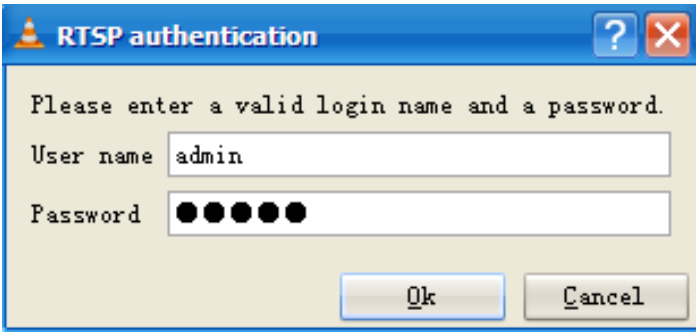


Figure 4.16

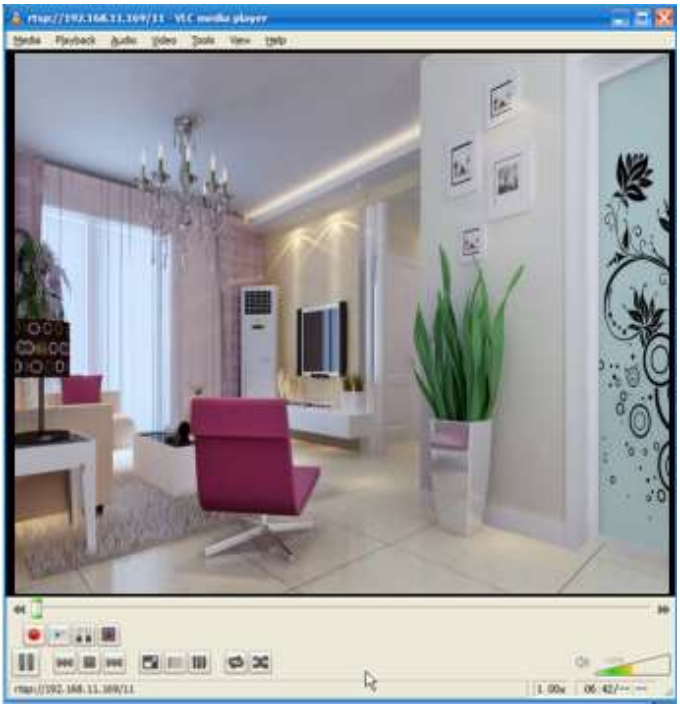


Figure 4.17

If you cannot play the video in the VLC player, please check the port mapping. You can read Quick Installation Guide about How to configure port forwarding.

NOTE: If you modify the camera's username or password, you had better reboot the camera, or else the new username and password cannot take effect when you enter the authentication in the VLC.

4.4 IP camera connection to the server

Device supports ONVIF2.2.1 protocol,You can easily access the NVR with ONVIF or server with ONVIF.

5. Surveillance Software GUI

Please refer to the Quick Installation Guide if you install the camera at first time. After finishing quick installation, you can take time to learn the operation of the software.

5.1 Login Window

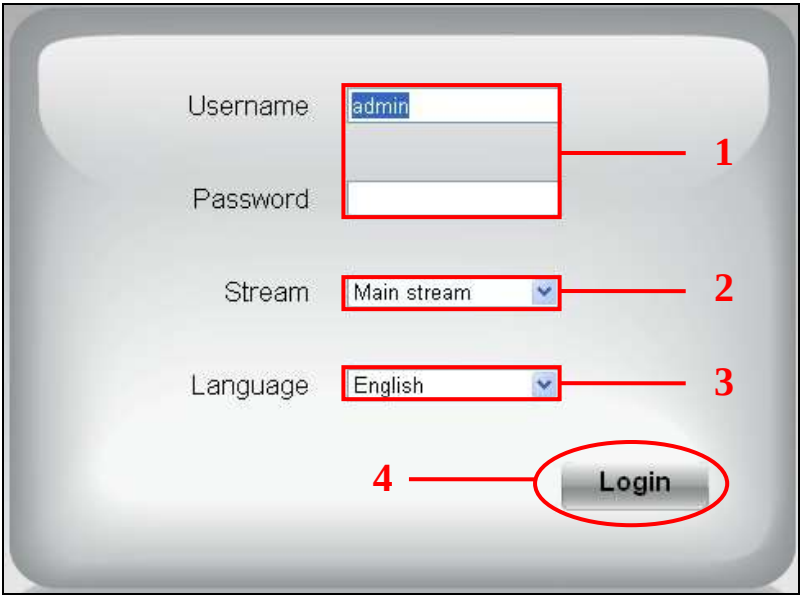


Figure 5.1

Please check the login window above, it was divided to 5 sections from no. 1 to 4.

Section 1 Enter the User name and password
The default administrator username is admin with a blank password, please reset the password at first using and prevent unauthorized users login the camera.

Section 2 Stream
The camera supports two stream modes: Main stream and Sub stream. If you want to access the camera form LAN, here you can select Main stream. If you want to access the camera from Internet, here we recommend Sub stream.
Note: When the network bandwidth is badly you'd better select Sub Stream and the video will be more fluency.

Section 3 Select the language
You can select the language you need via click on the language drop-down list to switch.

Section 4 Login the camera
Click Login button and you will see the surveillance windows.(If login the camera for the first time, the page that modify the username and password will appears.)

5.2 Modify the Username and Password

When you log in for the first time, it will come to the operating of modify the username and password automatically.

Figure 5.2

Enter the New Username, New password and Confirm the password. Click Modify button, you will see the login page again.

5.3 Setup Wizard

After logging in for the first time, you will be directed to the "Setup Wizard" automatically. Here you can set the basic parameters of camera, such as camera name, camera time, wireless settings, IP configuration.

Setup Wizard
Setup Wizard - Start
Follow the guide to set your camera, click "Next" to start.
Please click the menu on the left for more settings.
Next

Figure 5.3

Camera Name: You could give a name for your IP camera.

Figure 5.4

System Time: Select the time zone you need to set the date, time,format, etc.

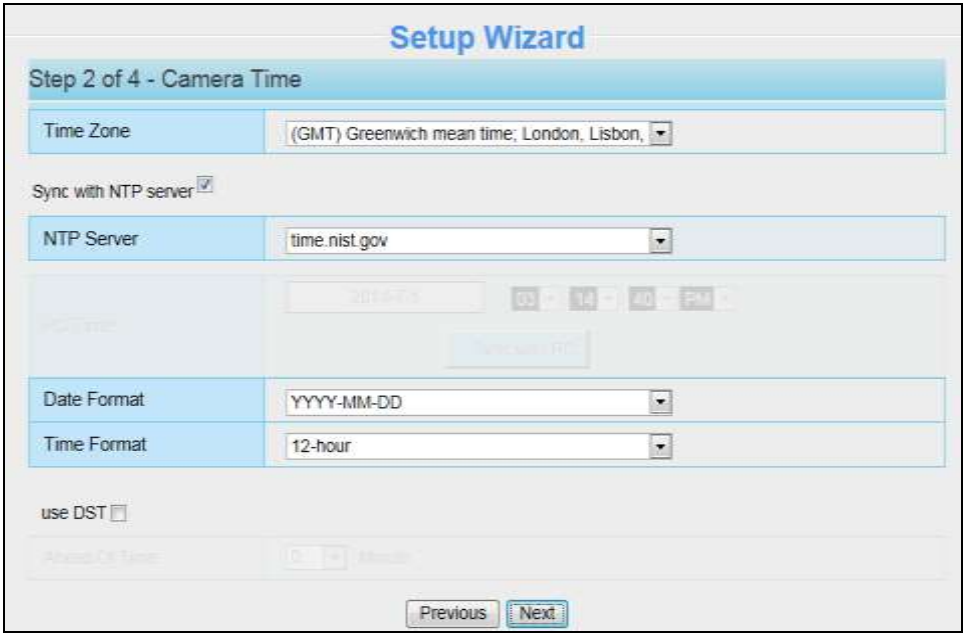


Figure 5.5

Wireless networks: Click Scan, find the SSID of your wireless router, select and enter the password.

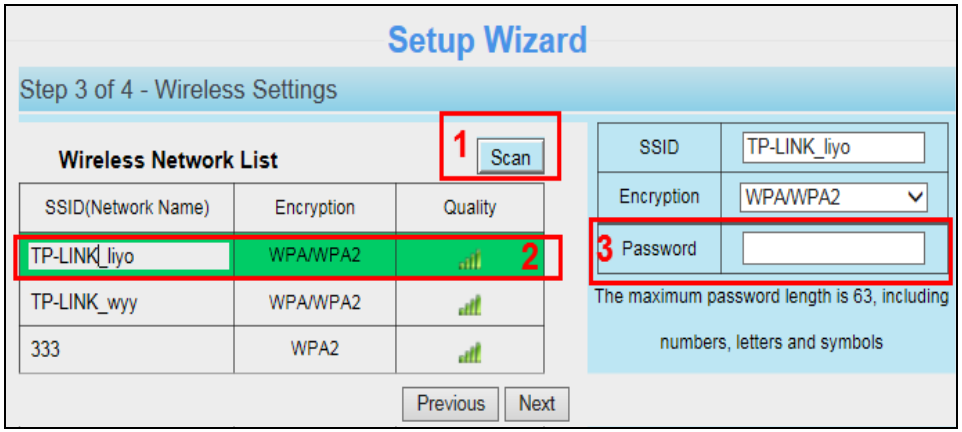


Figure 5.6

IP: Set the IP address of the camera. You could choose to obtain an IP automatically (DHCP) or set the IP address manually according to your needs.

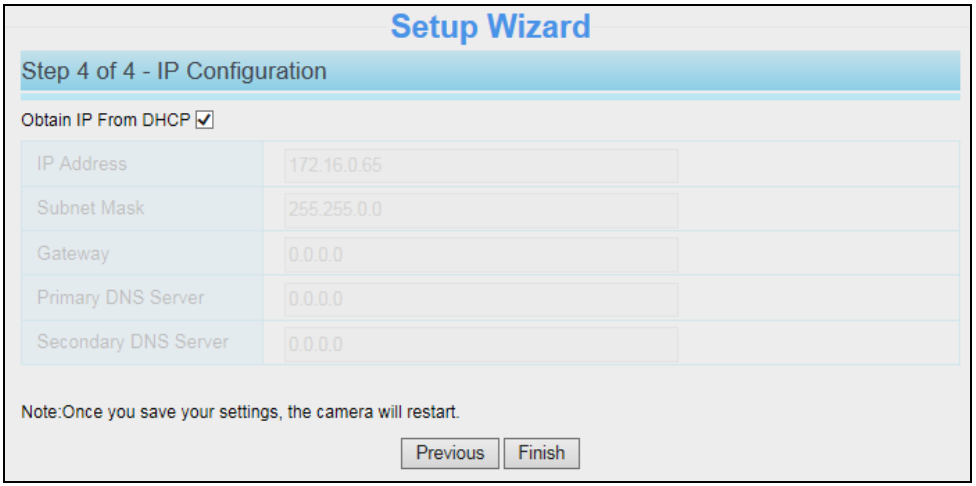


Figure 5.7

NOTE: It takes about 1 minute to connect the camera to your router.

5.4 Surveillance Window

Figure 5.8

Section1 Live Video / Settings buttons

Path to surveillance window. Click button and back to surveillance window.

Path to Administrator Control Panel, Click it, and it will lead to Administrator Control Panel and do advanced settings.

Section2 Multi-Device Window

The firmware inside the camera supports up to maximum of 9 cameras being monitoring at the same time. You can add other cameras in multi-device setting.

Figure 5.9

Section3 Mode/ Stream / Mirror/ Flip / Zoom in / Zoom out buttons

Mode

1) 50HZ ---------Indoor surveillance (Region: Europe, China)
2) 60HZ ---------Indoor surveillance (Region: USA, Canada)
3) Outdoor Mode ------ Outdoor surveillance

Stream

The default stream supports multiple modes, For example: HD Mode/720P/30fps/2M meanings: Stream type / Resolution / Maximum frame rate/ Bit rate. (Different models support different specific mode.)

1) Stream type. :It is used to identify the stream type.
2) 720P/ VGA

There are two resolutions, the bigger one is 720P, and the smaller one (VGA) is 640x480 pixels. The bigger the resolution, the better of the image quality is. If you are accessing the camera via internet and want to get more fluent video streaming, please select resolution VGA.

3) Maximum frame rate

When the video format is 50Hz, the maximum frame rate is 25 fps. When the video format is 60Hz, the maximum frame rate is 30 fps. You should lower frame rate when the bandwidth is limited. Normally, when the frame rate above 15, you can achieve fluently video. The maximum frame rate for each model is different, please see the "Default Parameters".

4) Bit rate

Generally speaking, the larger the bit rate is, the clearer video will become. But the bit rate configuration should combine well with the network bandwidth. When the bandwidth is very narrow, and bit rate is large, that will lead to video cannot play well.

You can reset the stream type on Settings-> Video-> Video Settings panel.

Figure 5.10

After changing, please re-login the camera and you can see the modification.

"Zoom in"or"Zoom out"

Device Support 3x zoom feature, click or , The focal length of the camera lens will be larger or shrink, you can adjust the focus distance to the target object size, access to high-definition screen.

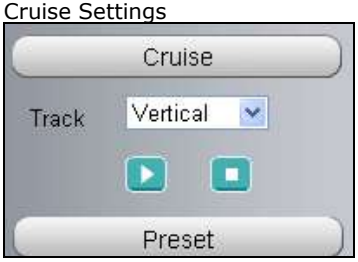
Section4 Pan/Tilt Control

1------ Up control button
3 ------ Left control button
5 ------ Up-Left control button
7 ------ Down-Left control button
2------ Down control button
4------ Right control button
6------ Up-Right control button
8------ Down-Right control button

Click this button and go to center

Section5 Cruise / Preset settings

Cruise Settings



The default cruise tracks have two types: Vertical and Horizontal.

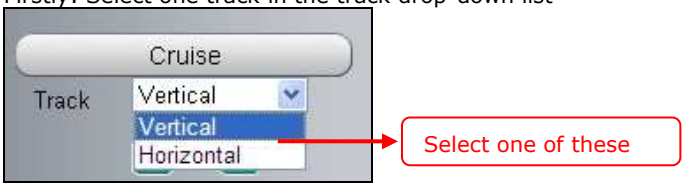
Vertical: The camera will rotate from up to down.
Horizontal: The camera will rotate from left to right.

Start cruise. Stop cruise.

If you want to define or change the cruise trace, please go to Settings → PTZ → Preset Settings panel.

How to do cruise?

Firstly: Select one track in the track drop-down list



Secondly: Click Start cruise button, the camera will cruise following the predefined path.
Thirdly: Click stop button and finish cruising.

Preset settings

IPCAM supports 16 preset positions, which is considered enough for DIY home & small business surveillance market.

The default preset position is TopMost, BottomMost, LeftMost, RightMost, you can add other preset positions.

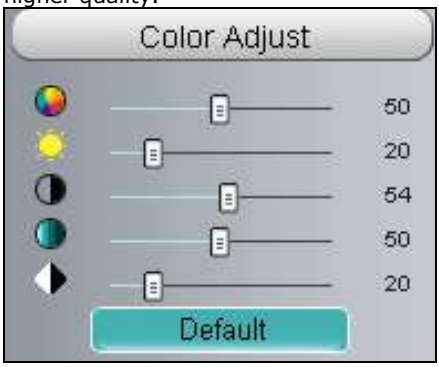
Add Click this icon to save the position you need the camera to remember
Delete Select one preset position and click this button to delete it.
GO Select one preset position in the preset drop-down list and click Go to make the camera move the preset position

How to do preset position?
Firstly, move the camera and stop at a desired place where you want make preset position. Secondly, click button and enter a descriptive name for the preset position. The preset position cannot contain special characters. Then click OK to save it. If you want to reset the preset position, click Cancel. After that, you can move the camera and stop at another place, and set another preset position. You can do all the 16 preset positions with this method. If you want to see one preset position you have set, only select the preset position name from the preset drop-down list, and click go button, the camera will go to the preset position.

Section6 IR LED Lights

Click Infra led and there are three modes to adjust the infrared led:
Auto: Select it and the camera will adjust the infra led (on or off) automatically.
Manual: Select it and you can turn on or turn off the infra led manually.
Schedule: Select it and the IR led light will be off at the schedule period. If you want to define or change the IR led lights schedule time, please go to Settings→ Video →IR LED Schedule page.

Section7 Image quality settings
In this page, you can tune Hue, Brightness, Contrast, Saturation, and Sharpness to get higher quality.



Section8 OSD
If you have added time and camera name in the video, you can see it in the live window.
Go to Settings ---Basic settings---Camera name panel, and you can change another device name. The default device name is anonymous.
Go to Settings ---Basic settings---Camera time panel and adjust the device time.
Go to Settings ---Video---On Screen Display panel, you can add or no add OSD.

Section9 Play/Stop/ Talk/Audio/ Snap/ Record/ Full screen button

1 Play	Click it to play the video of the camera
2 Stop	Click it to stop the video of the camera
3 Talk	Click the button and the icon will become to , then talk to the microphone that connected with PC, people around the camera can here your voice. Click the icon again and stop talking.
4 Audio	Click this icon, the icon will become to you can hear the sound around the camera by the earphone or speakers that connected with PC.
5 Snapshot	Click it to make snapshot and it pop-up a window which picture you snapshot, right click in the window and save the picture to anywhere you want.
6 Record	Click the icon and the camera start recording, you can see a green dot in the live window. Click again and stop recording. The default storage path is C:\IPCamRecord. You can change the storage path: Go to Settings- >Record->Storage Location panel.
7 Full Screen	Click it to make full-screen, or you can double click the surveillance screen to make full-screen. Double click again and exit full-screen.

Onscreen Mouse Control
Right click the mouse and you can adjust the screen ration, full screen and Zoom up.

Figure 5.10

Keep ration: Select it and the camera will adjust the size of live window based on the the computer monitor automatically. Sometimes there is a black border around the video, please select Keep ration to get a better visual quality .
Full Screen: Select it and Click it to make full-screen, press ESC and exit full-screen.
Zoom up:

First Method: Here is a convenient and fast solution to Zoom up/down screen by Clicking Video Screen and adjusting Mouse pulley, or by press the CTRL key and click the mouse left button.
Second Method: Click it and the live view will be digital zoomed up, then click Zoom Down and the live view back to original size.

Figure 5.11

When you select the Full Screen, then click right mouse, there is a Screen PTZ button.

Figure 5.12

Click the Screen PTZ button and put the mouse on the screen to indicate the camera move direction you prefer, press the left mouse, the camera will move to the corresponding direction. Loosen the mouse and stop moving. Press Esc button or double click right mouse and cancel the function.

NOTE: For Mac OS, the plugin cannot support Onscreen Mouse Control, so you cannot allow to use it.

6. Advanced Camera Settings

Click the button "Settings", goes to Administrator Control Panel to make advanced camera settings.

6.1 Status

Status contains four columns: Device Information, Device Status, Session Status and Log, it will show you various information about your camera.

4.1.1 Device Information

Figure 6.1

Camera Model: The model of the device.
Camera Name: The Device Name is a unique name that you can give to your device to help you identify it. Click Basic Settings and go to Camera name panel where you can change your camera name. The default device name is anonymous.
Camera ID: Display the wired MAC address of your camera. For example Device ID is HJYFC8613P03, the same MAC ID sticker is found at the bottom of the camera.

Camera Time: The system time of the device. Click Basic Settings and go to Camera time panel and adjust the time.
System Firmware version: Display the System Firmware version of your camera.
App Firmware version: Display the application firmware version of your camera.
Plug-in version: Display the plug-in version of your camera

4.1.2 Device Status

On this page you can see device status such as Alarm status/ Record Status ,DDNS status ,WIFI status and so on.

Figure 6.2

6.1.3 Session Status
Session status will display who and which IP is visiting the camera now.

Figure 6.3

6.1.4 Log
The log record shows who and which IP address accessed or logout the camera and when.

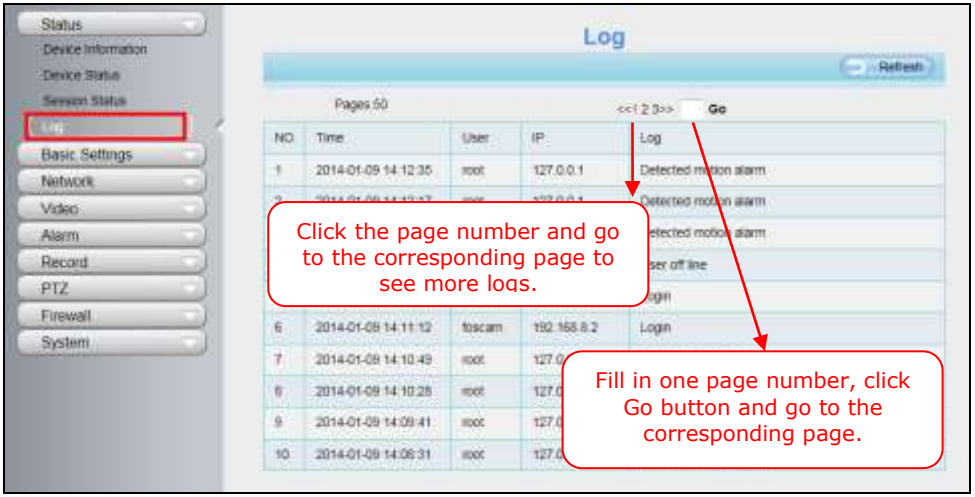


Figure 6.4

Reboot the camera and clear the log records.

6.2 Basic Settings
This section allows to configure the camera name, time, user account and multi-camera.

6.2.1 Camera Name
Default alias is anonymous. You can define a name for your camera here such as apple. Click Save to save your changes. The alias name cannot contain special characters.

Figure 6.5

6.2.2 Camera Time
This section allows to configure the settings of the internal system clocks for the camera.

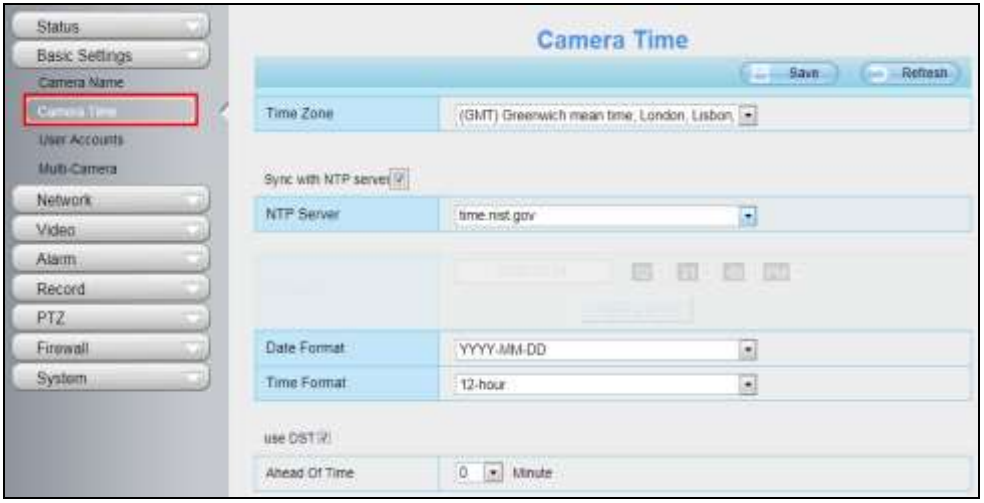


Figure 6.6

Time Zone: Select the time zone for your region from the drop-down menu.
Sync with NTP server: Network Time Protocol will synchronize your camera with an Internet time server. Choose the one that is closest to your camera.
Sync with PC: Select to synchronize date + time of the Network Camera with computer.
Manually: Administrator can enter date and time manually. Select date and time format.
Use DST: Select the use DST, then select the daylight saving time from the drop-down menu. Click Save button to submit your settings.

6.2.3 User Accounts
Here you can create users and set privilege, visitor, operator or administrator. The default user account is admin, with a blank password. You can enter the users accounts of visitor 、operator and administrator Manually.

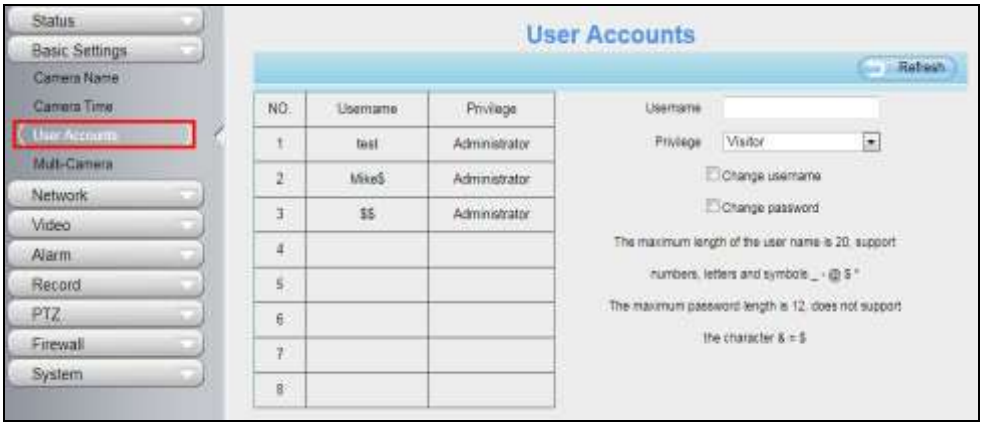


Figure 6.7

How to change the password of administrator?
Firstly, select the account of administrator, then select "Change password", enter the old password and the new password, lastly click modify to take effect.

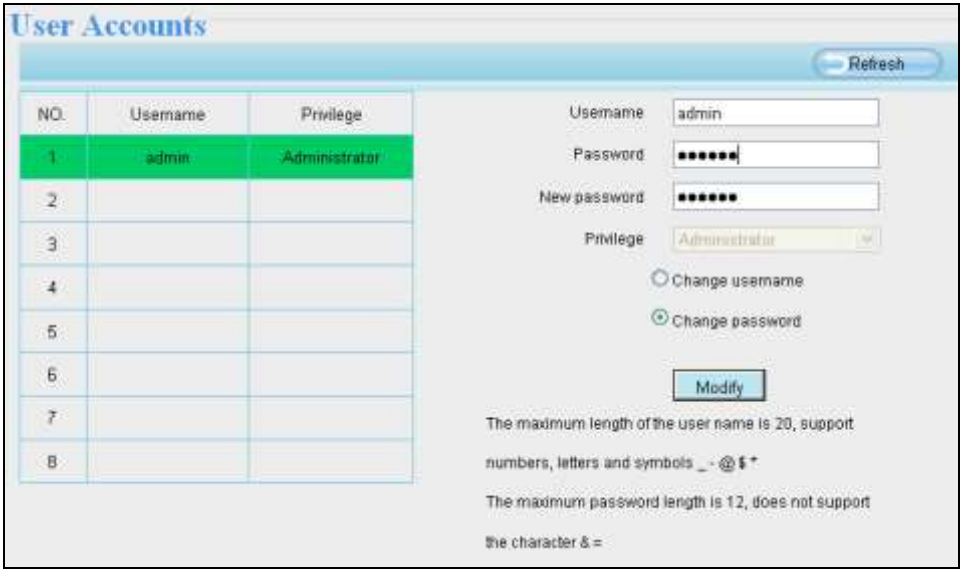


Figure 6.8

How to add account ?
Select one blank column, then enter the new user name, password and privilege, last click Add to take effect. You can see the new added account on the Account list.

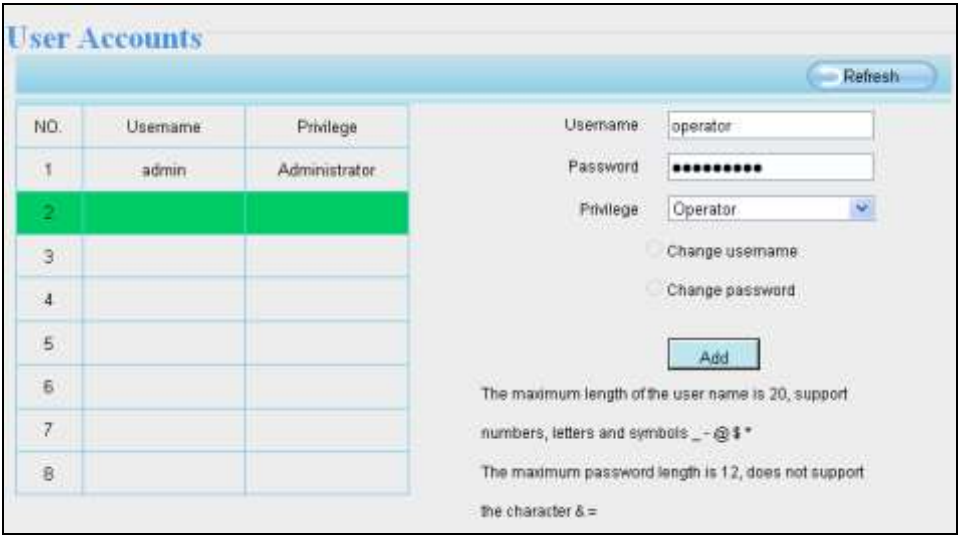


Figure 6.9

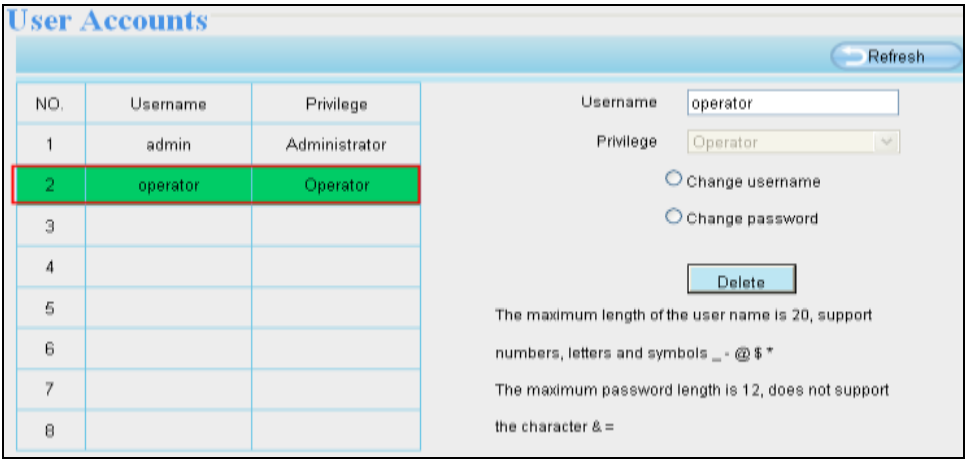


Figure 6.10

Delete：Select the account you want to delete, then click Delete button to take effect.

Note: Default admin account cannot be deleted. You can add other administrator users.

How to change the username?
Firstly, select the account which you want to change the username, then select "Change username", enter the new password, lastly click modify to take effect.

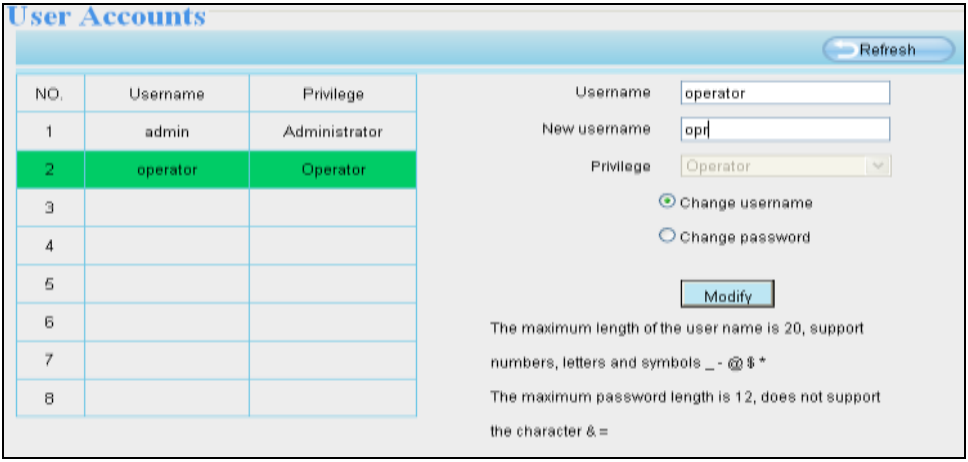


Figure 6.11

6.2.4 Multi-Camera
If you want to view multi-surveillance screens on one window, you need to login one camera, and set it as the main device, and do Multi-Device Settings, add other cameras to the first one camera. Before you do multi-cams settings, you need to assign different port such as 81, 82, 83, 84, 85, 86, 87, 88 to the cameras if there is 8 cams installed.
The firmware within the camera can support a maximum of 9 devices monitoring all at the same time. This page you can both add MJPEG and H.264 series cameras to the first camera and view multi-surveillance screen on one window.

Add cameras in LAN

In Multi-Device Settings page, you can see all devices searched in LAN. The 1st Device is the default one. You can add more cameras in the list in LAN for monitoring. The camera's software supports up to 9 IP Cameras online simultaneously. Click The 2nd Device and click the item in the Device List in LAN, the Alias, Host and Http Port will be filled in the boxes below automatically. Enter the correct username and password then click Add. Add more cameras in the same way.

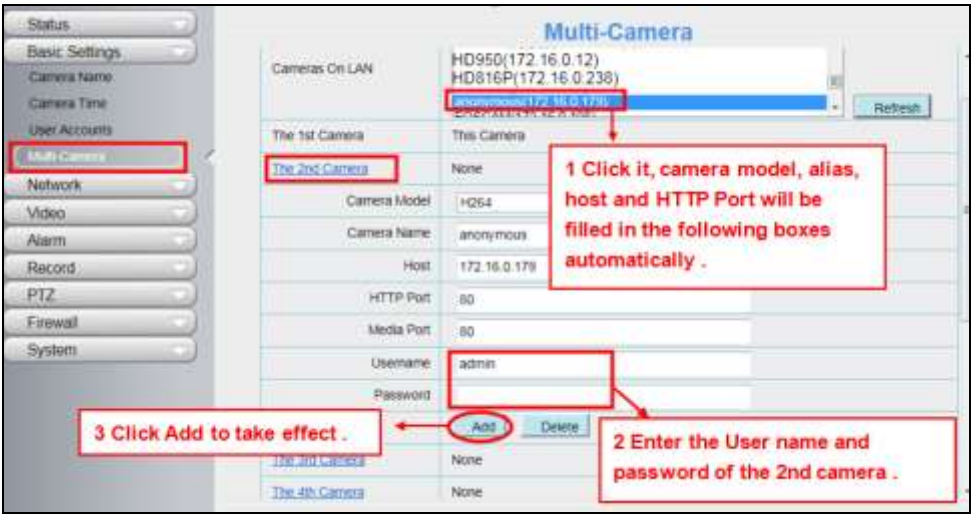


Figure 6.12

Camera Model: Our Company produces two series cameras: MJPEG and H.264. Here will show you which series the camera belongs to.

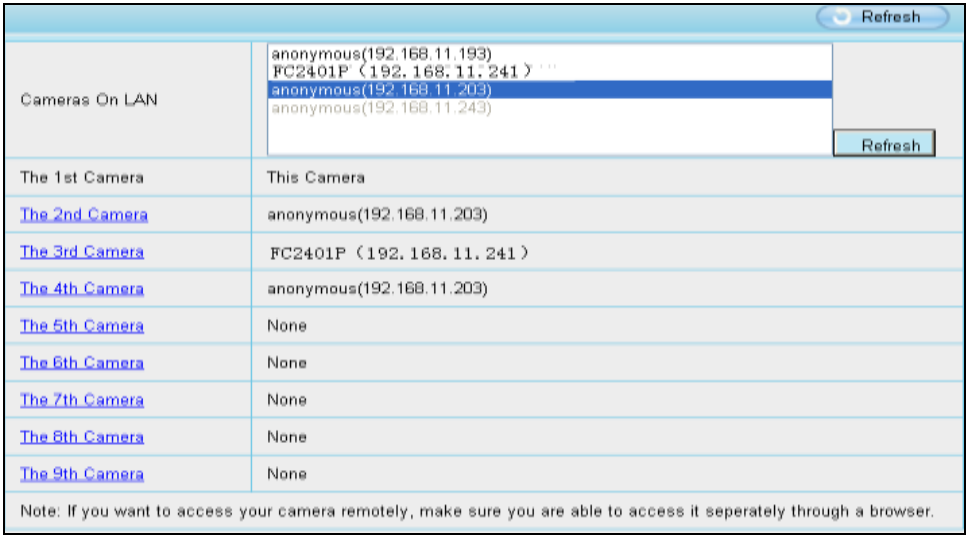


Figure 6.13

Back to Surveillance Windows, and click Four Windows option, you will see four cameras you added.

Figure 6.14

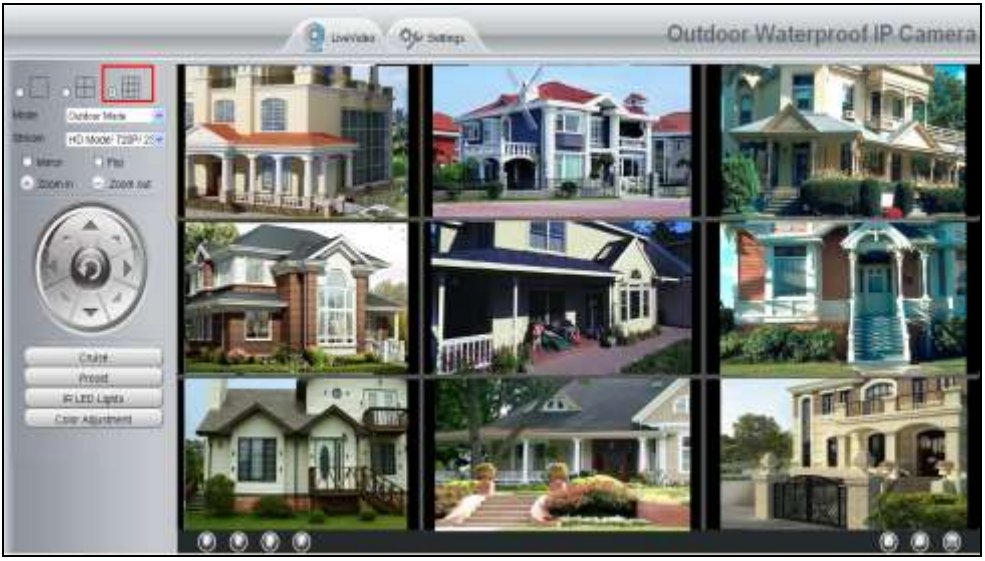


Figure 6.15

Add cameras in WAN

If you want to view all cameras via the internet(remote computer), you will need to add them using DDNS domain name. Firstly, make sure all of the cameras you added can be accessed through the internet. (Read How to configure DDNS settings in chapter 4.3.3) Login to the first camera using a DDNS domain name and port.

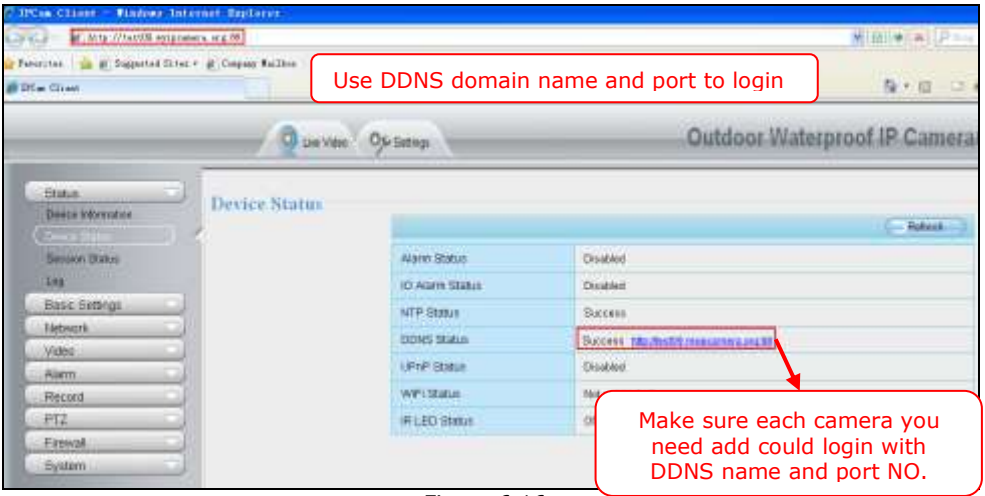


Figure 6.16

Click Multi-Device Settings. Choose The 2nd Device. Fill in the 2nd camera's name, DDNS domain name, port number. Enter user name and password and then choose Add.

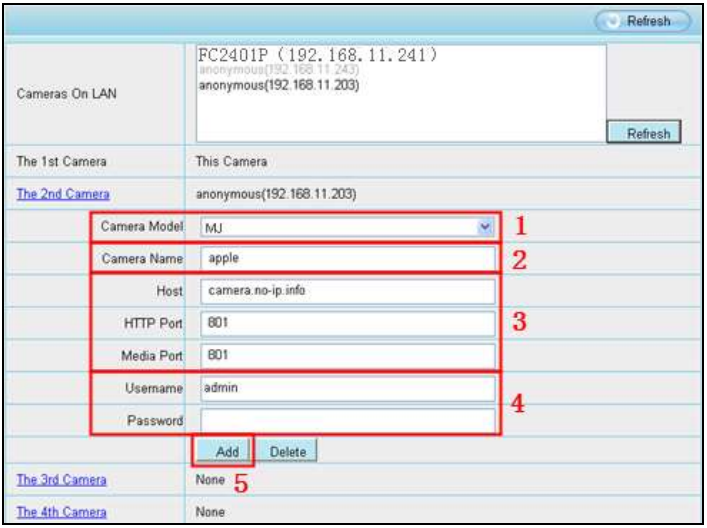


Figure 6.17

1 ---- The camera model: MJ or H264.
2 ---- The 2nd camera's name
3 ---- Fill in the 2nd camera's DDNS host not LAN IP
4 ---- Enter the 2nd camera's user name and password
5 ---- Click Add button and to take effect

NOTE: Here the Host must be entered as the second camera's DDNS domain name, not its LAN IP.

Refresh

Device List in LAN	apple(192.168.13.102) mycamera(192.168.13.108) ipcam(192.168.13.107) FC2401P-1 (192.168.13.106) Refresh
The 1st Device	This Device
The 2nd Device	apple(camera.no-ip.info)
The 3rd Device	ipcam(test01.foscam.org)
The 4th Device	mycamera(owlejww.no-ip.info)
The 5th Device	None
The 6th Device	None
The 7th Device	None
The 8th Device	None
The 9th Device	None

Attention: If you want to access the device from internet, be sure the host and port that you set can be accessed from internet.

Figure 6.18

Return to video window. You will see all of the cameras accessible through the internet. When you are away from home, you can use the first camera's DDNS domain name and port to view all the cameras via internet.

Figure 6.19

6.3 Network

This section will allow you to configure your camera's IP, PPPoE, DDNS, Wireless Settings, UPnP and Port.

6.3.1 IP Configuration

If you want to set a static IP for the camera, please go to IP Configuration page. Keep the camera in the same subnet of your router or computer.

Figure 6.20

Changing settings here is the same as using the IP Camera Tool. (Figure 4.20/4.21)
It is recommended that you use the subnet mask, gateway and DNS server from your locally attached PC. If you don't know the subnet mask, gateway and DNS server, you can check your computer's local area connection as follows:

Control Panel→Network Connections→Local Area Connections→Choose Support→Details.

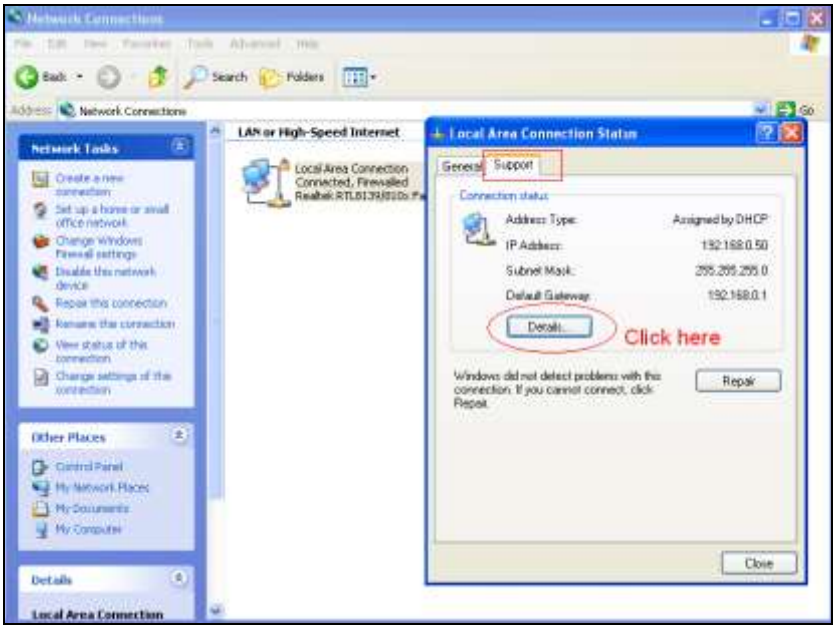


Figure 6.21

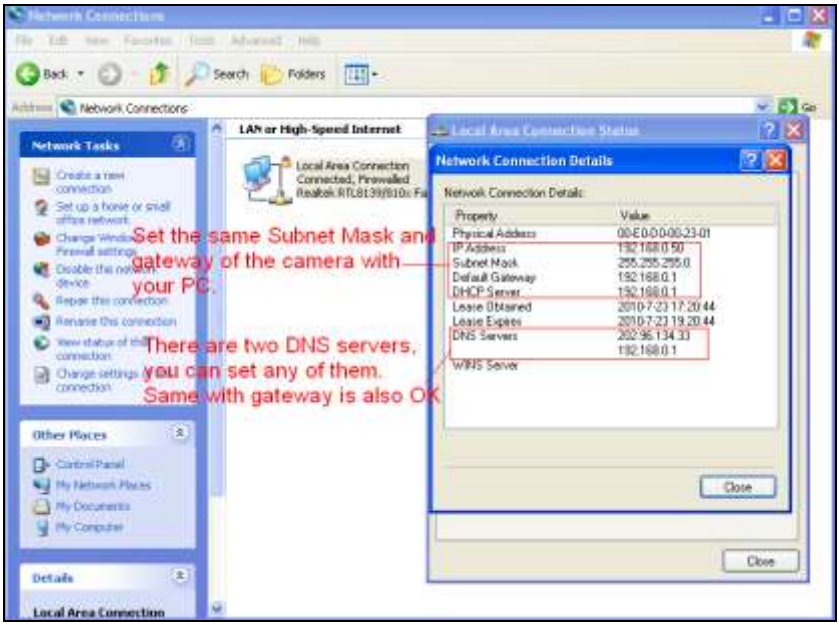

Set the same Subnet Mask and gateway of the camera with your PC.
There are two DNS servers, you can set any of them. Same with gateway is also OK

Figure 6.22

If you don't know the DNS server, you can use the same settings as the Default Gateway.

6.3.2 Wireless Settings

Step 1: Choose "Settings" on the top of the camera interface, and go to the "Network" panel on the left side of the screen, then click "Wireless Settings."

Click the Scan button and the camera will detect all wireless networks around the area. It should also display your router in the list (Figure 6.23).

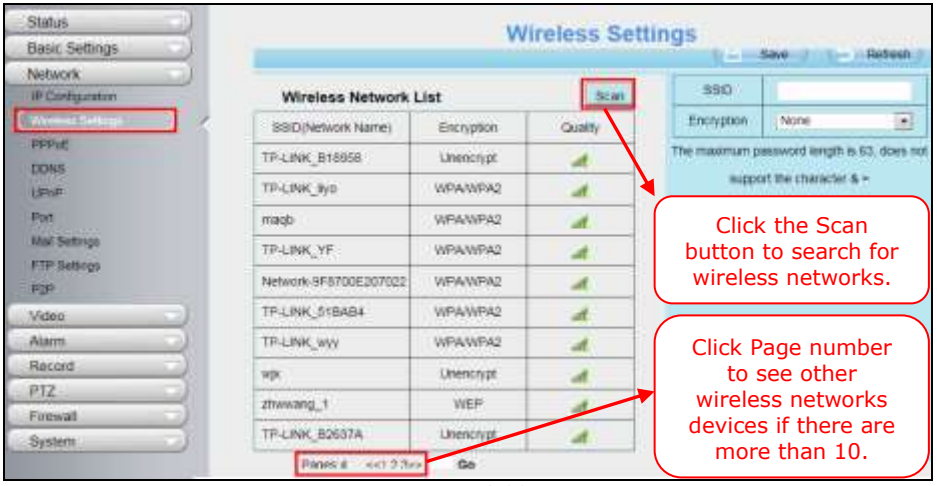

Wireless Settings
Wireless Network List
Scan
Click the Scan button to search for wireless networks.
Click Page number to see other wireless networks devices if there are more than 10.

Figure 6.23

Step 2: Click the SSID (name of your router) in the list, the corresponding information related to your network, such as the name and the encryption, will be filled into the relevant fields automatically.

You will only need to fill in the password of your network. Make sure that the SSID, Encryption and the password you filled in are exactly the same for your router.

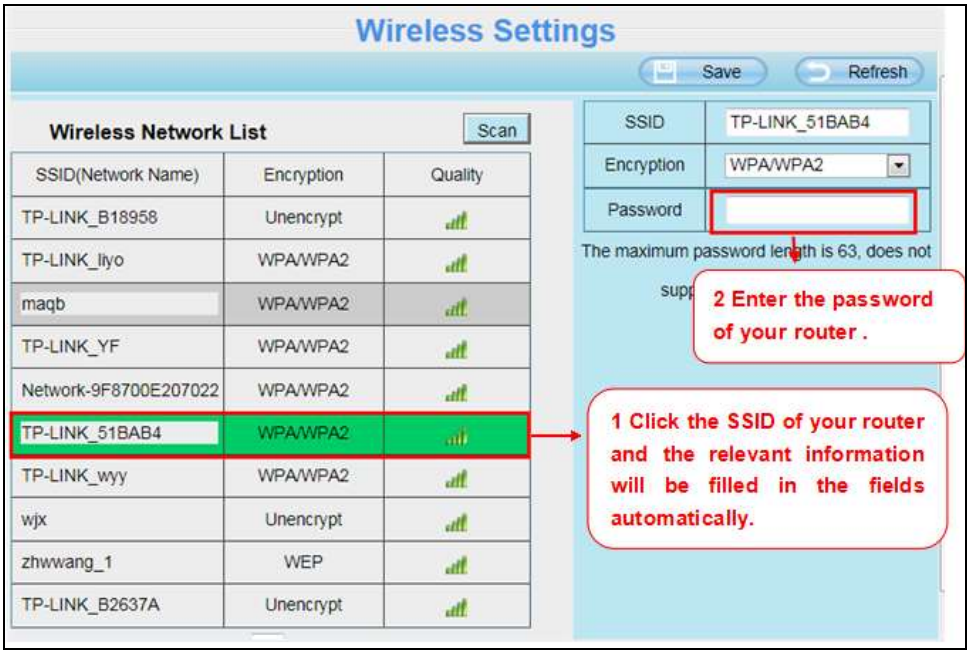


Figure 6.24

Step 3: Please click on the Save button after all settings have been entered and disconnect the network cable. Never shut down the power of the camera until the IP camera is able to connect to the wireless network.

The LAN IP address will disappear on the window of IP Camera Tool when the camera is configuring a wireless connection. Wait about 1 minute, the camera should obtain a wireless connection, and the LAN IP of the camera will show again on the window of the IP Camera Tool. The IP address may have changed after the camera receives a wireless connection; we recommend setting a static local IP address if this IP address changes by right clicking the camera in IP Camera Tools, setting a static IP, and pushing OK (see Figure6.36).
Congratulations! You have set up the wireless connection of the camera successfully.

NOTE: If you fail to make a wireless connection, please refer to your seller or contact us directly for assistance.

6.3.3 PPPoE
If you are using a PPPoE connection, enable it and enter the User Name and Password for your PPPoE account.

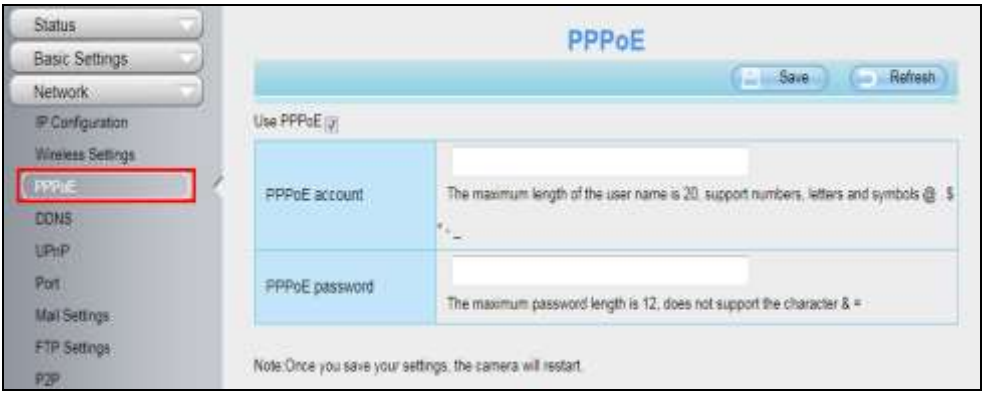


Figure 6.25

6.3.4 DDNS

The camera has embedded a unique DDNS domain name when producing, and you can directly use the domain name, you can also use the third party domain name.

IPCAM domain name

Here take test09.myipcamera.org for example. Go to option of DDNS on the Settings → Network panel, you can see the domain name.

Figure 6.26

Now you can use http:// Domain name + HTTP Port to access the camera via internet. Take hostname test09.myipcamera.org and HTTP Port no. 800 for example, the accessing link of the camera via internet would be http:// test09.myipcamera.org:800
Restore DDNS to factory: If you have configured Third Party DDNS successfully, but you want to use Manufacturer's DDNS again , here click this button and start Manufacturer's DDNS Service.

Third Party Domain Name Settings

User can also use third part DDNS, such as www.no-ip.com. ,www. 3322.com

Here take www.no-ip.com for example:

① Step 1, Go to the website www.no-ip.com to create a free hostname

Firstly: Login on www.no-ip.com and click No-IP Free to register.

Managed DNS Provider
Sign Up
Home
Blog
Support
Contact Us
Sign In
no-ip
Services
Why No-IP?
Download
Support
Enhanced Dynamic DNS
more features, flexibility & control
Connect remotely to your computer, DVR, webcam or run your own web server or website on a dynamic IP address.
What is Dynamic DNS?
Sign Up Now
Up to 25 Hostnames
Personal Use
Dynamic DNS allows you to monitor your home remotely via webcam, access your computer remotely, or even run your own server all on a dynamic IP address.
Remote Access
Webcam Monitoring
Quick Installation
Simple Domain Name
Get Started
Business Use
Trust our DNS experts with your web domains DNS management. Our Managed DNS will ensure your website is fast, reliable and always available.
100% Uptime Guaranteed
Fast Redundant Websites
Trusted Anycast Network
11 Points of Presence
Get Started

Figure 6.27

No-IP Free
No-IP Free is our entry level service. Use yourname.no-ip.org instead of a hard to remember IP address or URL. With No-IP Dynamic DNS, our free Dynamic Update Client keeps track of your changing IP address and updates your hostname, keeping your connection active.
Sign Up Now
More
Domain Registration
Fast, simple and affordable Domain Registrations. 100% Uptime Guaranteed!
Learn More
POP3 / IMAP Email
Easily manage email accounts for your own domain and access your email from anywhere.
Learn More
SSL Certificates
Ensure your website visitors are safe and secure by purchasing an SSL Certificate.
Learn More

Figure 6.28

Please register an account step by step according to instructions on www.no-ip.com

After registration, please login your email which used to register. You will receive an email from website, please click the link to activate your ACCOUNT as indicated in email.

Secondly: Login the link with the registered username and password to create your domain name.

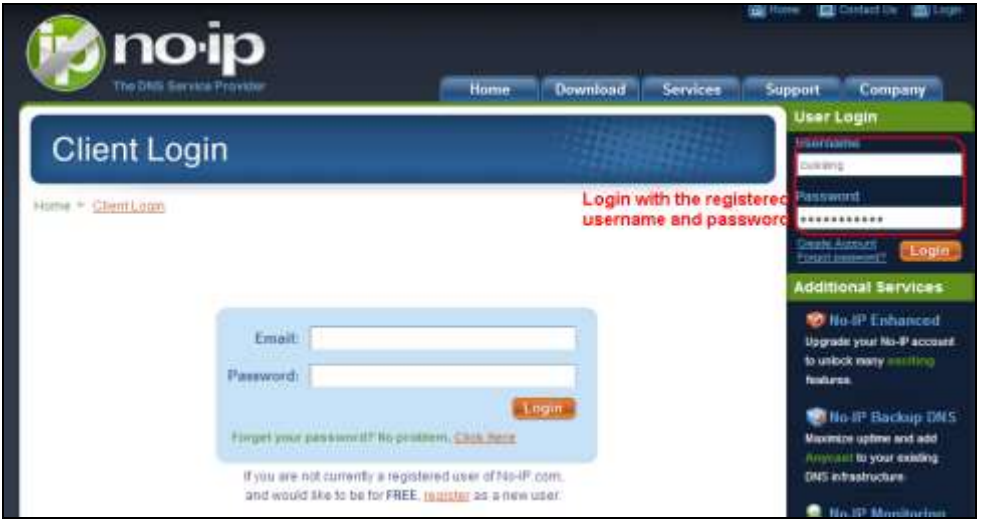


Figure 6.29

Your No-IP
Need redundancy for your mail server?
24/7 Server Monitoring and Failover
Need Help?
Support Center
Basic Troubleshooting Guide
Support Ticket
Contact Us
Get Connected
You have successfully logged into No-IP's member section. To start using No-IP's services select an icon below or choose an item from the navigation above.
Manage Domains
Add Domain
Refer Friend
Add a Host
Manage Hosts
Click Add a Host to create a domain name
FROM $15
Find a Domain Name
Search
Own a domain name?
Use your own domain name with our DNS system. Add your domain name now or read more for pricing and features.
Your No-IP Alerts
You do not have any notices at this time
Check this spot for important information regarding your account such as expiring services and trouble tickets

Figure 6.30

Please create the domain name step by step according to instructions on www.no-ip.com

Step 2, DO DDNS Service Settings within the Camera
Please set DDNS Settings within the camera by hostname, a user name and password you've got from www.no-ip.com
Take hostname ycxgwp.no-ip.info, user name test, password test2012 for example.

Firstly, goes to option of DDNS Settings on the administrator panel.
Secondly, select No-Ip as a server..
Thirdly, fill test as DDNS user, fill password test2012 as DDNS password, fill ycxgwp.no-ip.info as DDNS domain and server URL, Then click save to make effect. The camera will restart and to take the DDNS settings effective.
Fourthly, after the restart, login the camera, and go to option of Device Status on the administrator panel, and check if the DDNS status is successful.

If failed, please double check if you have input the correct hostname, user name, and password, and try to redo the settings.

NOTE: If you have set Third Party DDNS successfully ,the Domain Name will be invalid. The Third Party DDNS and the Domain Name cannot work at the same time, the last time you configured will take effect.

② Do port forwarding within the router
Example: The camera's LAN IP address is http://192.168.8.100:2000 , Media port no. is 9200.
Firstly, login the router, goes to the menu of Port Forwarding or Port Trigger (or named Virtue Server on some brands of router). Take Linksys brand router as an example, Login the router, and goes to Applications & Gaming->Single Port Forwarding.
Secondly, Create a new column by LAN IP address & HTTP Port No. of the camera within the router showed as below.

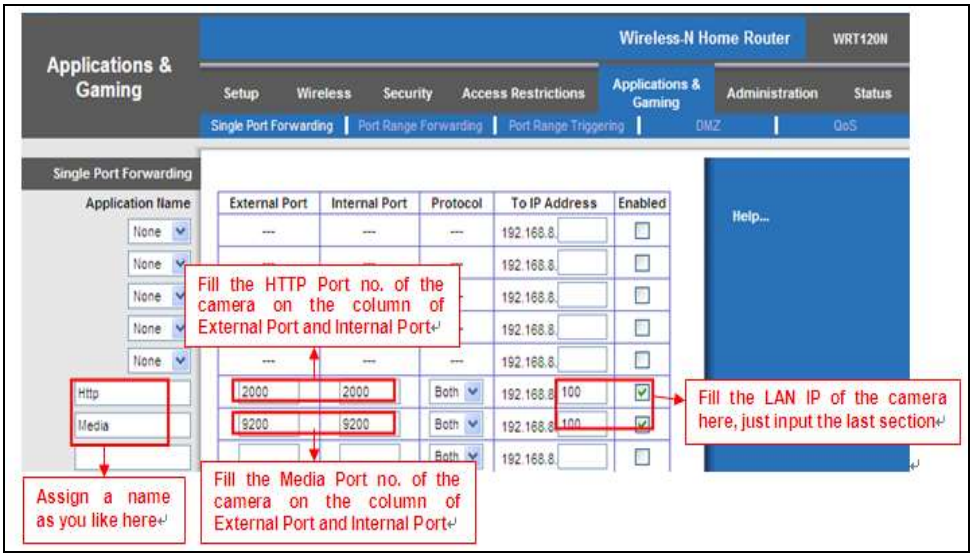


Figure 6.31

③ Use domain name to access the camera via internet
After the port forwarding is finished, you can use the domain name+ http no. to access the camera via internet. Take hostname ycxgwp.no-ip.info and http no. 2000 for example, the accessing link of the camera via internet would be http:// ycxgwp.no-ip.info:2000

6.3.5 UPnP

Figure 6.32

The default UPnP status is closed. You can enable UPnP, then the camera's software will be configured for port forwarding. Back to the "Device Status" panel, you can see the UPnP status:

Figure 6.33

The camera's software will be configured for port forwarding. There may be issues with your routers security settings, and sometimes may error. We recommend you configure port forwarding manually on your router.

6.3.6 Port

This camera supports HTTP Port. HTTP Port is used to access the camera remotely. If you want to access the camera and view the video, the HTTP Port must both be configured correctly.

HTTP port: By default, the HTTP port is set to 88. Also, they can be assigned with another port number between 1 and 65535. But make sure they can not be conflict with other existing ports like 25, 21.

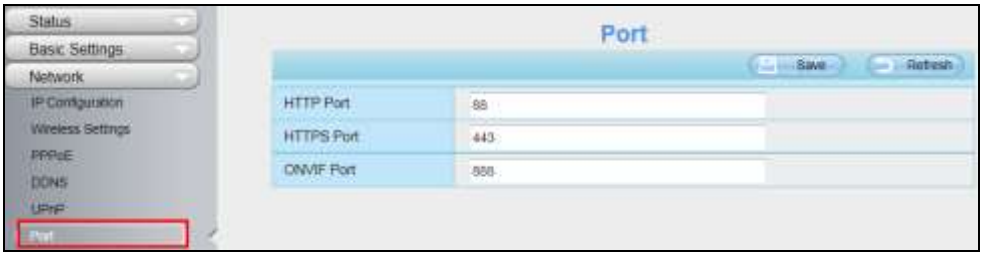


Figure 6.34

Another way to change the HTTP port NO.

Step 1: Open the IP Camera Tool, select the camera you would like to change the port of, right click on the IP address, and click on ”Network Configuration”, this brings up the network configuration box as shown in Figure 6.35 and 6.36.

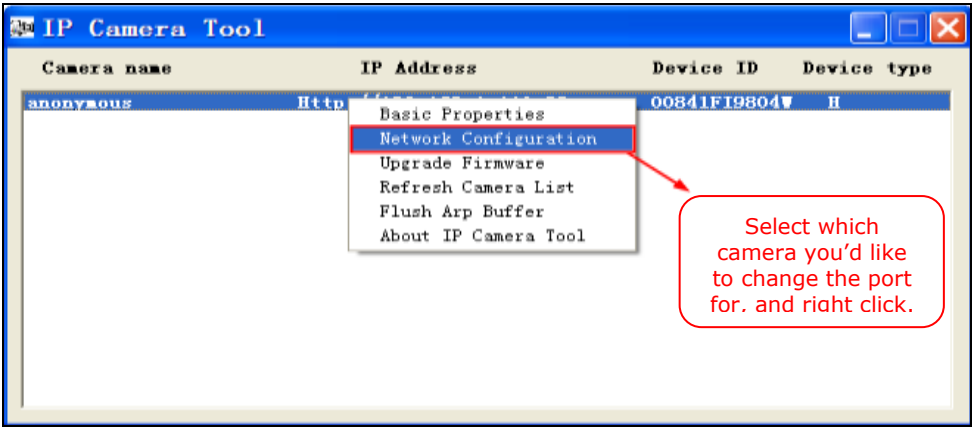


Figure 6.35

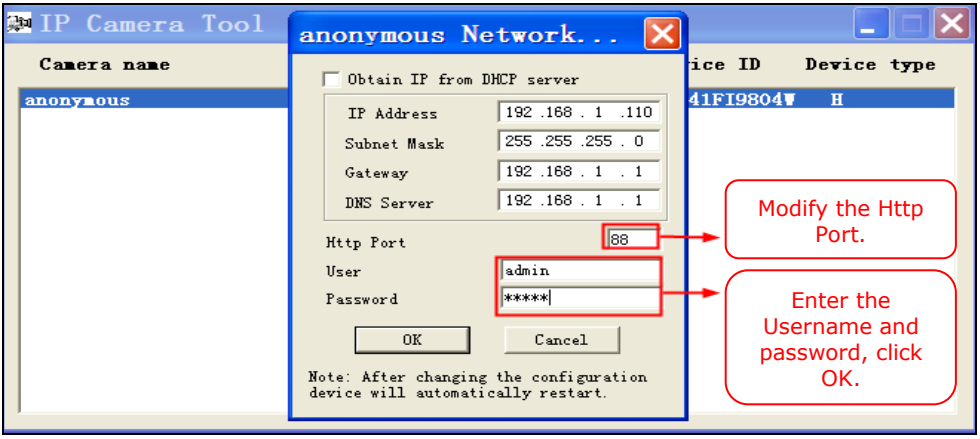


Figure 6.36

Step 2: Enter the username and password of the Administrator (default username is admin with a blank password), and click “OK” to apply changes.

Step 3: Wait around 10 seconds, you’ll see that the camera’s LAN IP address has changed. In our example it was changed to 2000, so we see http://192.168.8.102:2000 in IP Camera Tool. Also, the LAN IP address is now fixed at a static IP address of http://192.168.8.102:2000. This IP address will not change even if the camera is powered off and back on, the camera will remain on this LAN IP address. This is very important that a static LAN IP address is set, or you may have problems later with remote access and seeing the camera remotely if the camera loses power and reconnects on a different LAN IP address. Make sure you set a static LAN IP address!

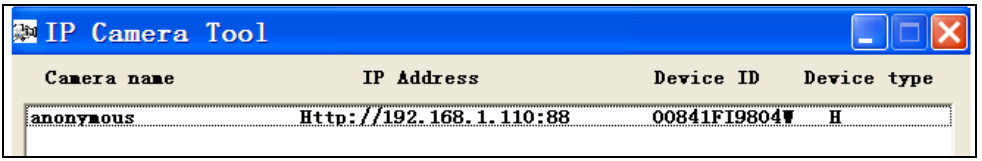


Figure 6.37

Note: If the camera cannot be accessed, make sure the port forwarding is succeed.

HTTPS port: The default port is 443. You can use the url to access the camera: https:// IP + HTTPS port NO.

ONVIF port: By default, the ONVIF port is set to 888. Also, they can be assigned with another port number between 1 and 65535(except 0 and 65534). But make sure they cannot be conflict with other existing ports.

6.3.7 Mail Settings

If you want the camera to send emails when motion has been detected, here Mail will need to be configured.

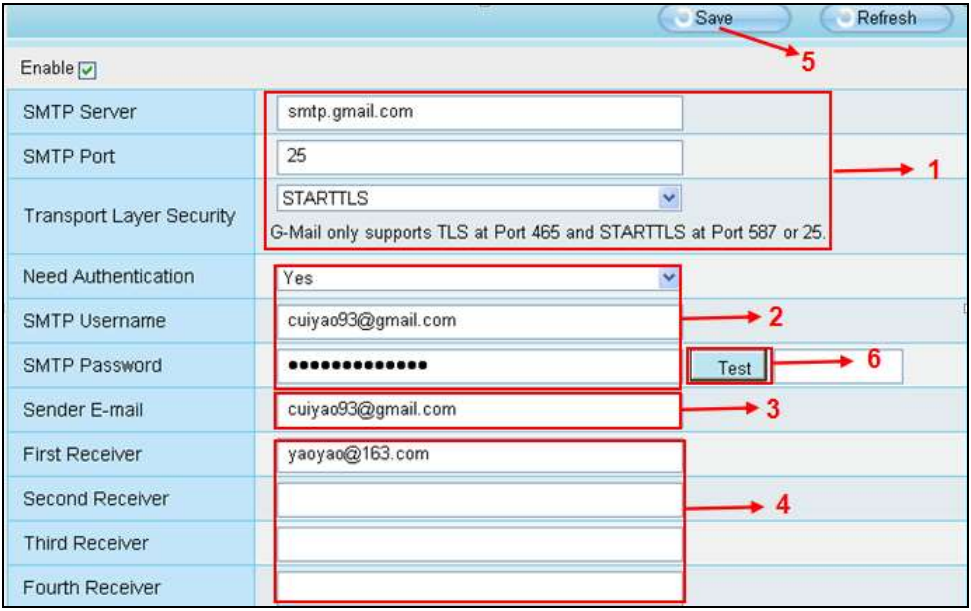


Figure 6.38

1-----SMTP Server/ Port /Transport Layer Security Enter SMTP server for sender. SMTP port is usually set as 25. Some SMTP servers have their own port, such as 587 or 465, and Transport Layer Security usually is None. If you use Gmail, Transport Layer Security must be set to TLS or STARTTLS and SMTP Port must be set to 465 or 25 or 587, which port you choose should be decided by which Transport Layer Security you select.
2-----SMTP Username/ password ID account and password of the sender email address
3-----Sender E-mail Mailbox for sender must support SMTP
4-----Receiver Mailbox for receiver need not support SMTP,you can set 4 receivers

5-----Save Click Save to take effect
6-----Test Click Test to see if Mail has been successfully configured.

Click Test to see if Mail has been successfully configured.

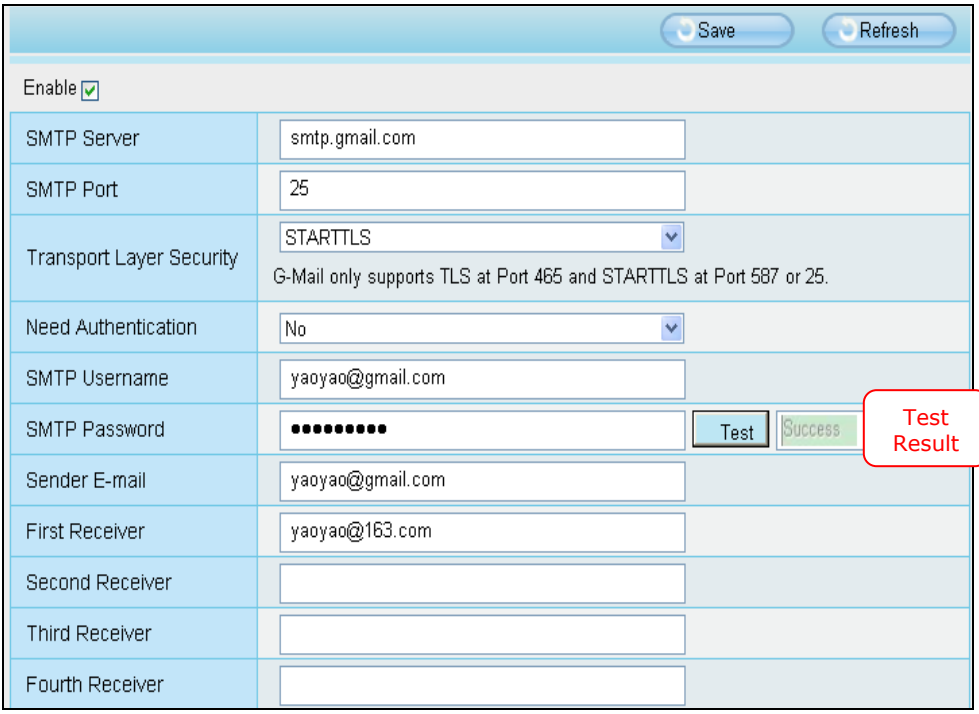


Figure 6.39

If the test success, you can see the Success behind the Test, at the same time the receivers will receive a test mail.

If the test fails with one of the following errors after clicking Test, verify that the information you entered is correct and again select Test.
1) Cannot connect to the server
2) Network Error. Please try later
3) Server Error
4) Incorrect user or password
5) The sender is denied by the server. Maybe the server need to authenticate the user, please check it and try again
6) The receiver is denied by the server. Maybe because of the anti-spam privacy of the server
7) The message is denied by the server. Maybe because of the anti-spam privacy of the server
8) The server does not support the authentication mode used by the device

6.3.8 FTP Settings
If you want to upload record files and images to your FTP server, you can set FTP Settings.

Figure 6.40

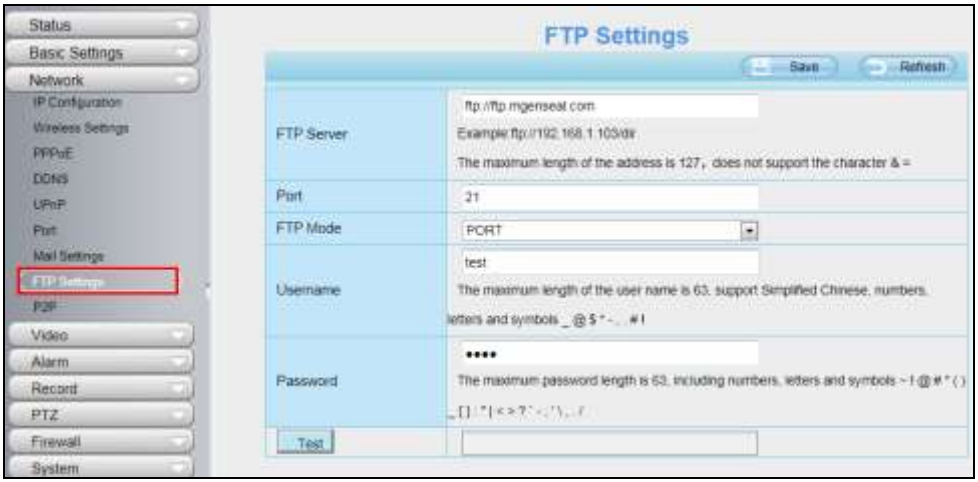


Figure 6.41

FTP server: If the FTP server is located on the LAN, you can set as Figure 6.43. If you have an FTP server which you can access on the internet, you can set as Figure 6.44
Port: Default is port 21. If changed, external FTP client program must change the server connection port accordingly.
FTP Mode: Here supports two modes: PORT and PASV.
Username/password: The FTP account and password.
Click Save to take effect.
Click Test to see if FTP has been successfully configured.

6.3.9 P2P

Access the IP Camera by Smart Phone (Android or iOS operating system). First of all, you need to open the P2P function of the IP Camera at "Settings → Network → P2P".

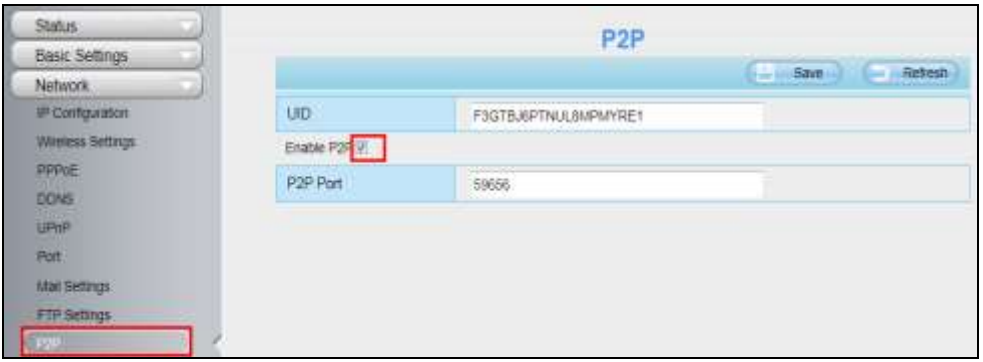


Figure 6.1

Search and install IPCam Viewer for Android device, or search and install IPCam_Viewer on APP Store for iOS device. If you want to know more details of the iOS APP or Android APP, see the iOS App User Manual or Android APP User Manual.

6.4 Video

This section allows you to configure Video stream settings, On screen display and Snapshot settings.

6.4.1 Video Settings

There are two ways to set the stream video settings. They are main stream video settings and sub stream video settings.

Figure 6.42

Stream type: There are four types to identify different streams you have set.

Resolution: The camera supports multiple types, For example: 960P, 720P, VGA, QVGA. The higher the resolution is, the clearer video will become. But the code flux will become larger too, and it will take up more bandwidth.

Bit rate: Generally speaking, the larger the bit rate is, the clearer video will become. But the bit rate configuration should combine well with the network bandwidth. When the bandwidth is very narrow, and bit rate is large, that will lead to video cannot play well.

Frame rate: Note that a larger frame size takes up more bandwidth. When the video format is 50Hz, the maximum frame rate is 25 fps. When the video format is 60Hz, the maximum frame rate is 30 fps. You should lower frame rate when the bandwidth is limited. Normally, when the frame rate above 15, you can achieve fluently video. The maximum frame rate for each model is different, please see the "Default Parameters".

Key Frame Interval: The time between last key frame and next key frame. The shorter the duration, the more likely you will get a better video quality, but at the cost of higher network bandwidth consumption.

4.4.2 On Screen Display
This page is used to add time-stamp and device name on the video.

Figure 6.43

Display Timestamp: There are two options: Yes or NO. Select Yes and you can see the system date on the video.
Display Camera Name: There are two options: Yes or NO. Select Yes and you can see the device name on the video.

6.4.3 Privacy Zone
This page is used to set some mask as privacy zone on the video.

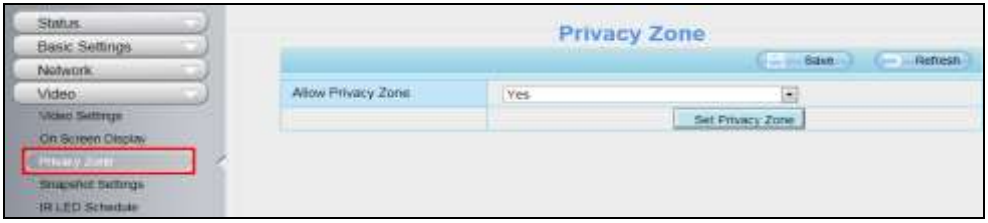


Figure 6.44

Allow On Screen Display Mask: There are two options: Yes or NO. Select yes and draw a mask area on the video, the mask area will be black on the video.

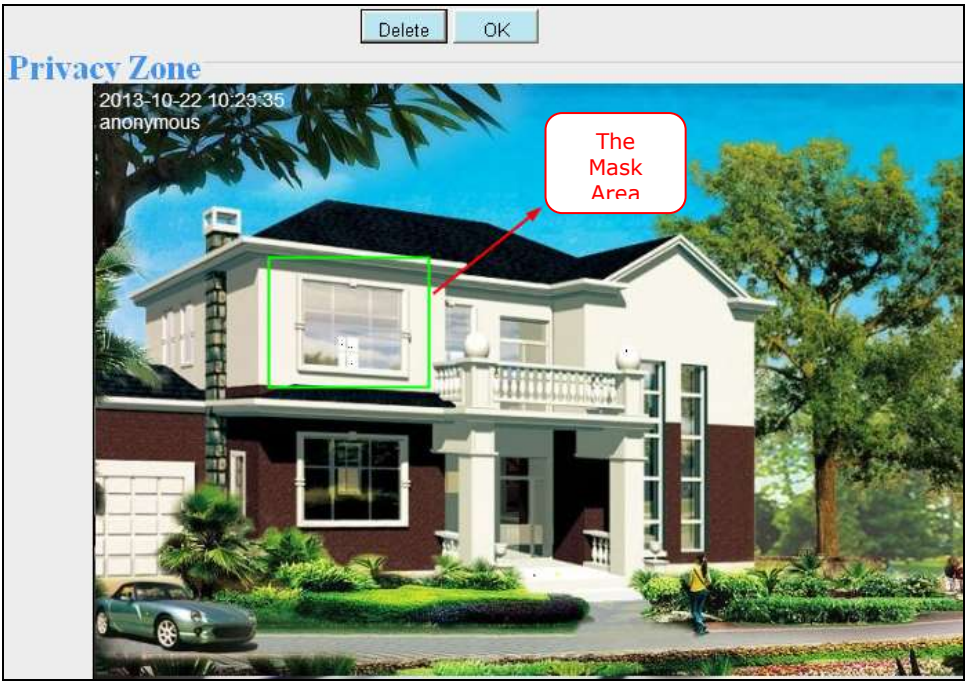


Figure 6.45

Click Back button and return to the OSD page, click Save to take effect.
Back to the surveillance window, you can see the mask area as the following picture:

Figure 6.46

6.4.4 Snapshot Settings
On this page you can set the snapshot pictures' image quality and the storage path.

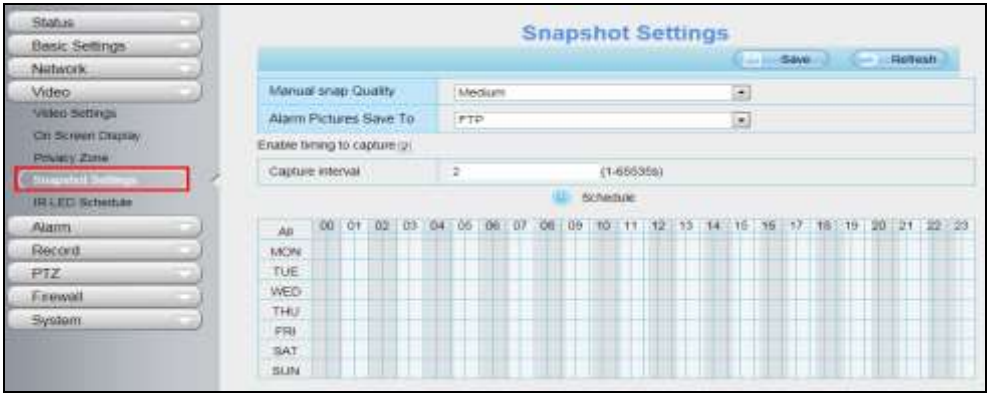


Figure 6.47

Manual snap Quality: Low, Middle, High. The higher the quality, the clearer the picture.
Alarm Pictures Save Path: FTP. If you have done FTP and Alarm settings, when alarming, the camera will snap pictures to the FTP automatically.

Enable timing to capture
To enable capture interval, follow the steps below:
1) Select Enable timing to capture
2) Capture interval:The interval time between two captures.
3) Select the capture time
- Capture anytime: Click the black button up the MON, you will see all time range turn red. When something moving in the detection area at any time, the camera will capture.
- Specify an capture schedule: Click the week day words, the corresponding column will be selected. For example, click TUE, the all column of TUE turns to red, that means during Tuesday whole day, the camera will capture.
- Press the left mouse and drag it on the time boxes, you can select the serial area,

4) Click Save button to take effect.

6.4.5 IR LED Schedule
On this page you can set the schedule time for switching IR LED lights. When parameter Mode is set to the Schedule on the Live Video window, at these schedule time, the IR LED lights will be turned off.

Figure 6.48

6.5 Alarm

6.5.1 Motion Detection
IP Camera supports Motion Detection Alarm, when the motion has been detected, it will send emails or upload images to FTP.

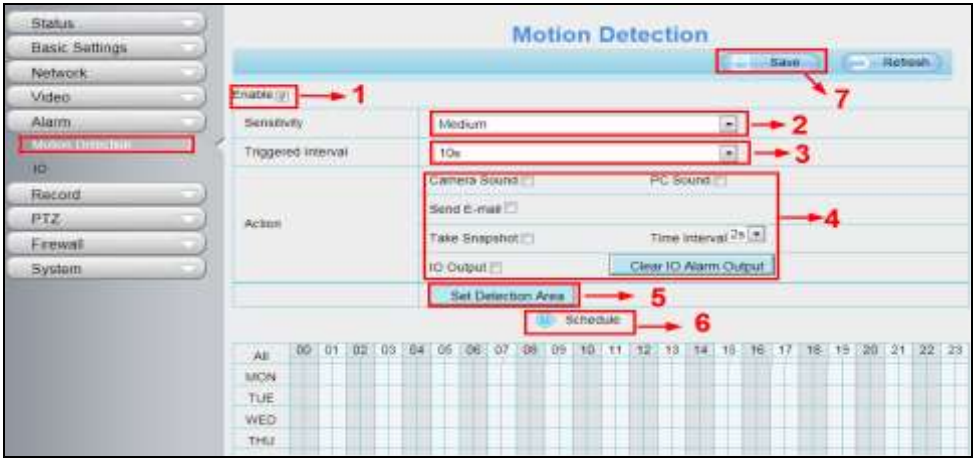


Figure 6.49

To enable motion detection, follow the steps below:

Step 01: Enable Motion detection
Step 02: Sensitivity---- It supports three modes: Low, Middle and High. The higher the sensitivity, the camera will be more easily alarmed. Select one motion sensitivity.
Step 03: Trigger interval--- The interval time between two motion detections. Here supports 5s/6s/7s/8s/9s/10s/11s/12s/13s/14s/15s. Select one interval time.
Step 04: Select the alarm indicator

When the motion has been detected, the alarm status will turn to Detect alarm.

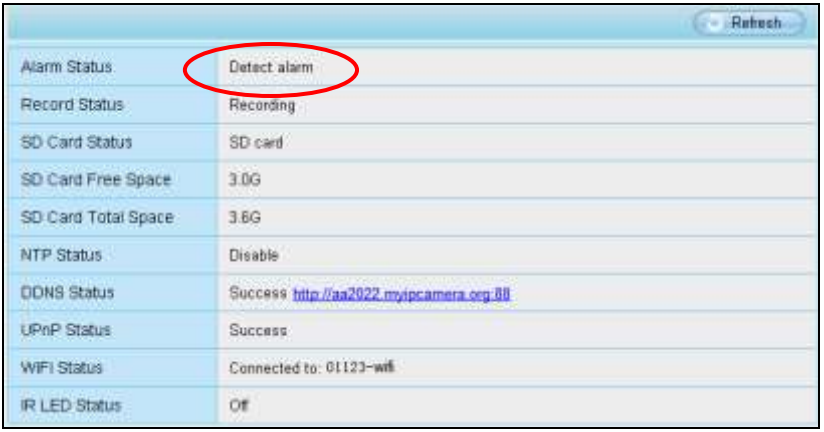


Figure 6.50

There are four alarm indicators:

A Camera Sound and PC Sound
If the camera has connected with a speaker or other audio output device, if you select Camera Sound or PC Sound, when the motion has been detected, the people around the camera will hear beep alarm sound.

B Send E-mail
If you want to receive alarm emails when motion is detected, you must select Send E-mail and set Mail Settings first. The alarm email cannot contain the alarm picture if you have not selected Take Snapshot.

C Take Snapshot
If you select this check-box, when the motion has been detected, the camera will snap the live view window as a still picture and load it to the FTP. Make sure you have set FTP and set FTP as the storage path in Video->Snapshot settings panel.
If you select Send Email, at the same time the picture will be send to you as an attachment.
Time interval: The interval time between two pictures.

D IO Output
If IO alarm is triggered and IO alarm output device will always alarm (sound alarm is issued a warning sound, alarm lights in flash etc.). Click "Clear IO alarm output" , the alarm output device will stop alarming. If IO alarm is triggered again after alarm interval, IO alarm output device will be restart.

Step 05: Set detect area

Click set detect area and it pop up a window, then you can draw the detection area. Click OK button after settings. When something moving in the detection area, the camera will alarm.

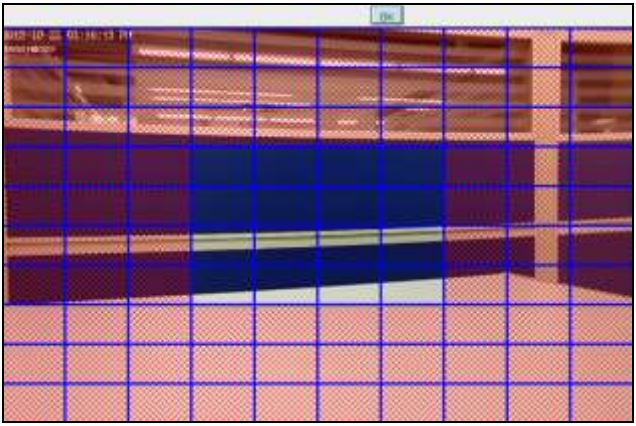


Figure 6.51

Step 06: Alarm Schedule
① Alarm anytime when motion is detected
Click the black button up the MON, you will see all time range turn red. When something moving in the detection area at any time, the camera will alarm.

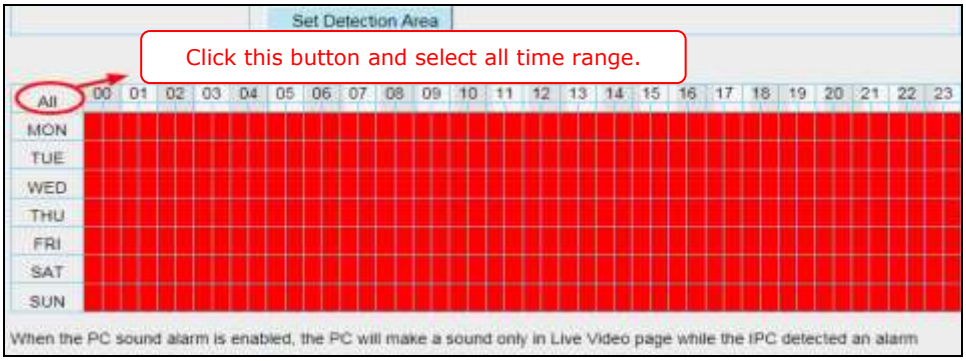

Set Detection Area
Click this button and select all time range.
All
00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23
MON
TUE
WED
THU
FRI
SAT
SUN
When the PC sound alarm is enabled, the PC will make a sound only in Live Video page while the IPC detected an alarm

Figure 6.52

② Specify an alarm schedule

Click the week day words, the corresponding column will be selected. For example, click TUE, the all column of TUE turns to red, that means during Tuesday whole day, when something moving in the detection area, the camera will alarm.

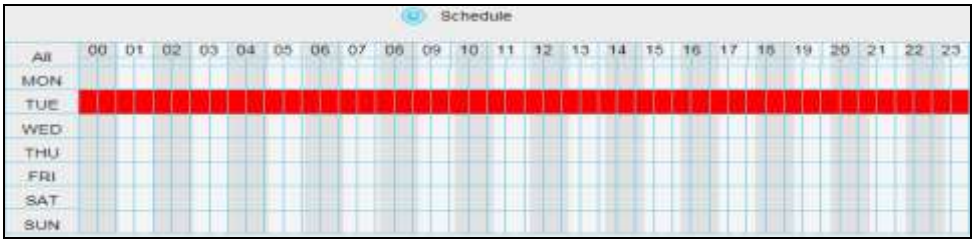


Figure 6.53

③ Press the left mouse and drag it on the time boxes, you can select the serial area.

Set Detection Area
Schedule
All
00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23
MON
TUE
WED
THU
FRI
SAT
SUN
When the PC sound alarm is enabled, the PC will make a sound only in Live Video page while the IPC detected an alarm

Figure 6.54

Step 07: Click Save button to take effect.

When the motion has been detected during the detection time in the detection area, the camera will alarm and adopt the corresponding alarm indicators.

NOTE: You must set the detection area and detection schedule, or else there is no alarm anywhere and anytime.

6.5.2 IO Alarm

This IP camera provides a I/O alarm terminal block which is used to connect to external input / output device. The alarm device(door sensor, infrared sensor, smoke detectors, etc) send input command to the network camera, then the network camera send output command to the alarm output device(local audible alarm, lights alarm, etc.).

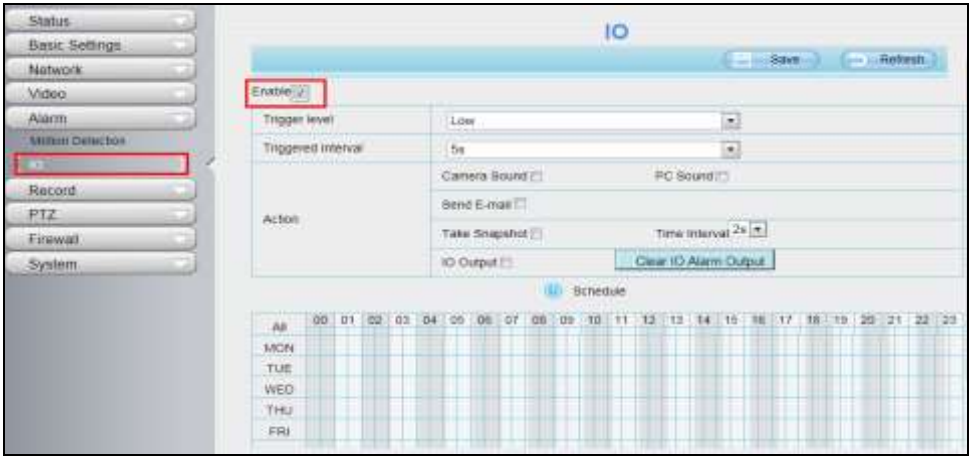


Figure 6.55

There is an IO alarm input/output lines in the IPCAM camera tails, as shown in Figure 6.60. Enable IO alarm need this cable to connect to the alarm device (door sensor, infrared sensor, smoke detector, etc.). I/O Alarm has four ports:

- Port 1 and port 2 indicate IO alarm input
- Port 3 and port 4 indicate IO alarm output

Figure 6.56

Setting IO alarm

On the IO page, Enable the I/O alarm, select the "Send E-mail"and "Snapshot" before you have configured the mail and FTP.

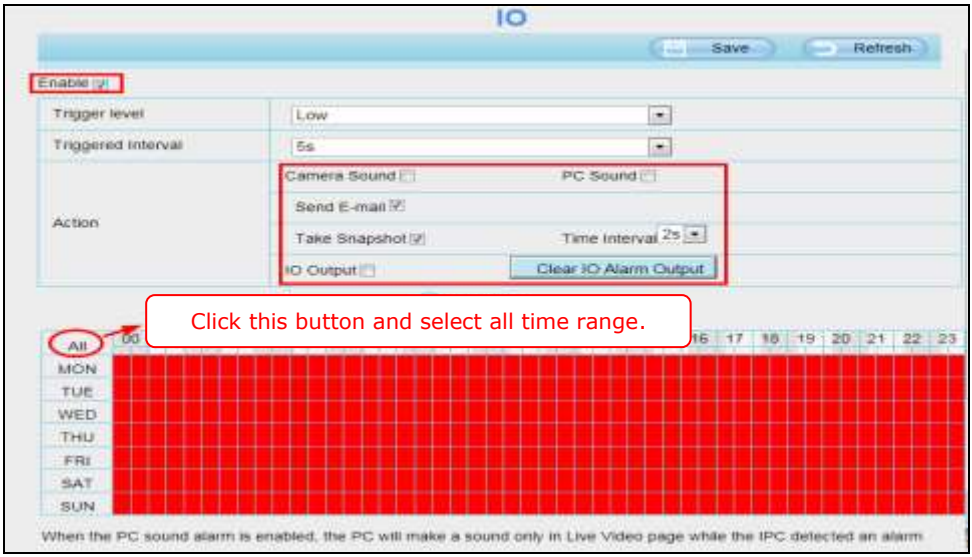


Figure 6.57

If an IO alarm is triggered and IO alarm output device will always alarm (sound alarm is issued a warning sound, alarm lights in flash etc.). Click "Clear IO alarm output" , the alarm output device will stop alarming. If IO alarm is triggered again after alarm interval, IO alarm output device will be restart.

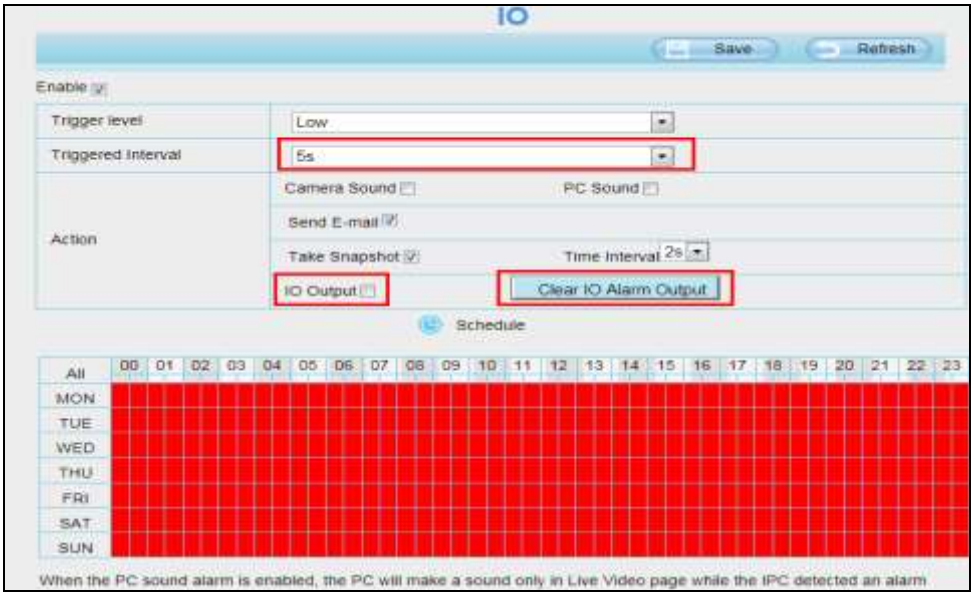


Figure 6.58

Note: motion detection alarm can also be triggered IO alarm output.

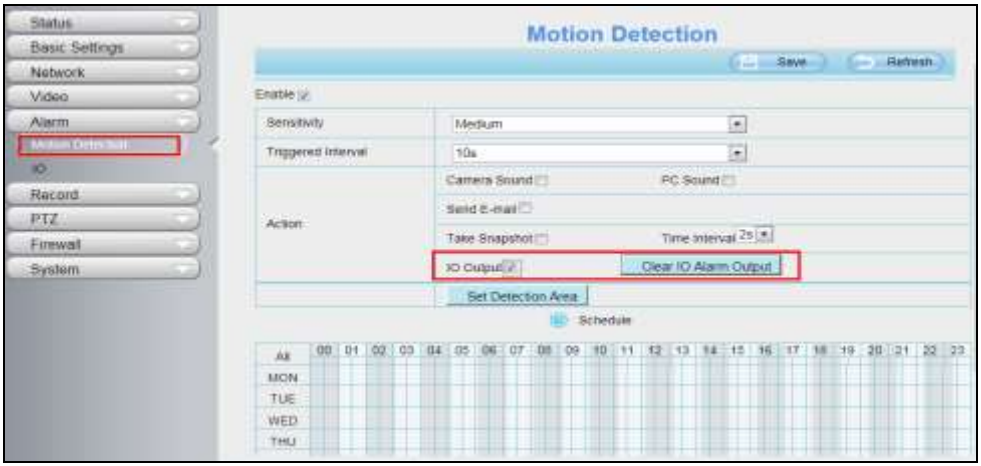


Figure 6.59

6.6 Record

6.6.1 Storage Location

On this page you can change the manually recording storage path, the default storage path is D:\ipc.

Figure 6.60

6.6.2 Alarm Recording

This page you can change the Pre-record time and Alarm record time.

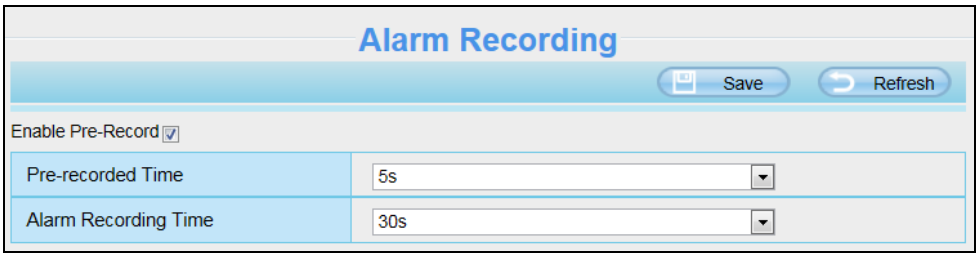


Figure 6.61

The default Pre-recorded time is 5s and the alarm record time is 30s, you can change another time, click Save button to take effect.

4.6.3 Local Alarm Location
On this page you can enable local alarm record, and select the local alarm record time.

Figure 6.61

4.6.4 Record Schedule
On this page you can enable schedule record.

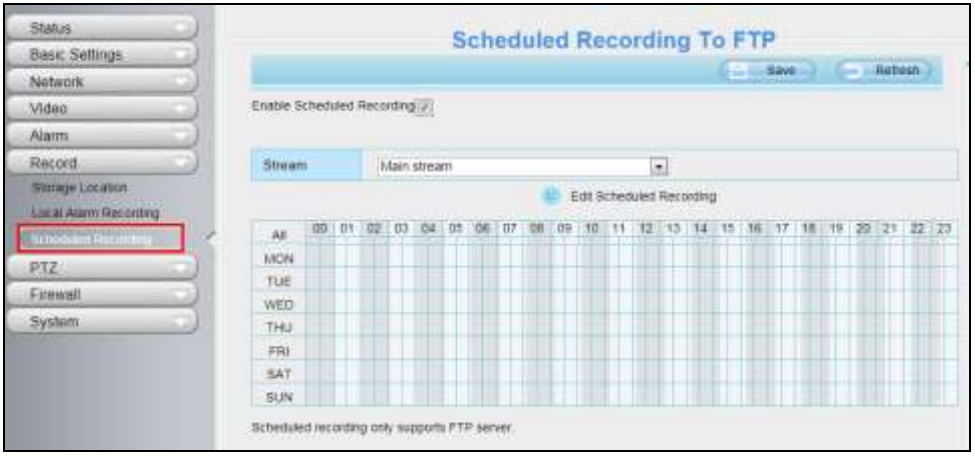


Figure 6.62

You can select the main stream or sub stream from the dropdown.
You can set the store path of the recording file on the Storage Location page.

Click Save button to take effect.

6.7 PTZ
This page will allow you to change the pan/tilt speed and do cruise tracks settings.

6.7.1 Pan/Tilt Speed
There are five Pt speed types: very fast, fast, normal, slow and very slowly. Select the desired PTZ speed type and click save button.

Figure 6.63

6.7.2 Cruise Settings

This section explains how to add/ delete one cruise track.

Figure 6.64

Setting the Cruise Mode

There are two cruise mode: Cruise time and Cruise Loops.

Cruise time: Select Cruise time from Cruise Mode dropdown, then set the Cruise time of the camera.

Cruise Loops:Select Cruise Loops from Cruise Mode dropdown, set the Cruise Loops of the camera.

Click Save to take effect.

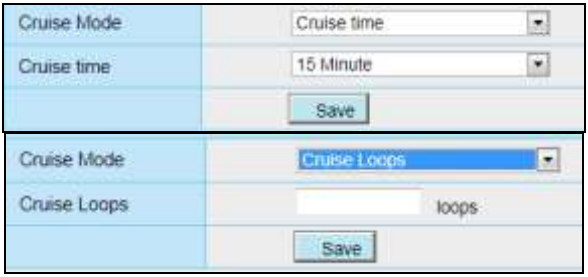


Figure 6.65

Manage the Cruise Track
There are two default cruise tracks: Vertical and Horizontal.
Vertical: The camera will rotate from up to down
Horizontal: The camera will rotate form left to right.

Add: Add one cruise track, then click save button.
Delete: Select one cruise track and delete it.
Save: After you modify the Dwell time, you should click Save button to take effect.

Example
How to do add cruise tracks ?
Firstly, Click Add button and enter a descriptive name to identify the cruise track.
Secondly: On the lower left of the page, you can see all preset points you have added. Select one preset point and click Add button, you can see the preset point has been added to the cruise track on the cruise track page. You need to add two or more preset points to the cruise track.

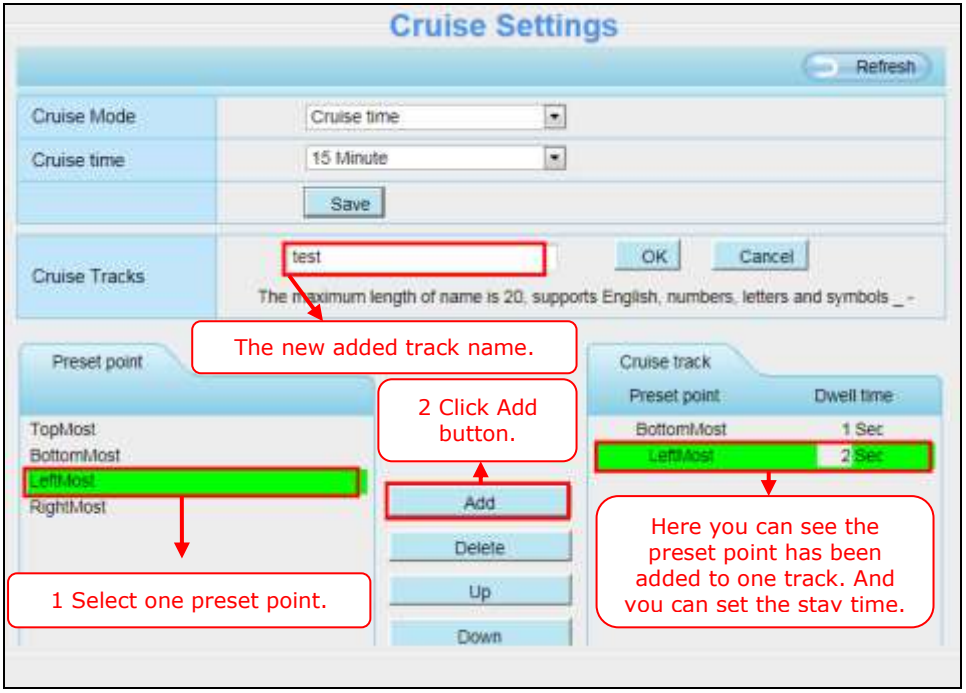


Figure 6.66

Thirdly: Click OK button and the cruise track will take effect.

You can add other cruise track as the same method.

For example: I have added three preset points to the "track 1", that means : When I select the "track 1" on the surveillance window, the camera moves as the following track: upright then Right Most last downleft.
You can add preset on the left of the surveillance window.

Figure 6.67

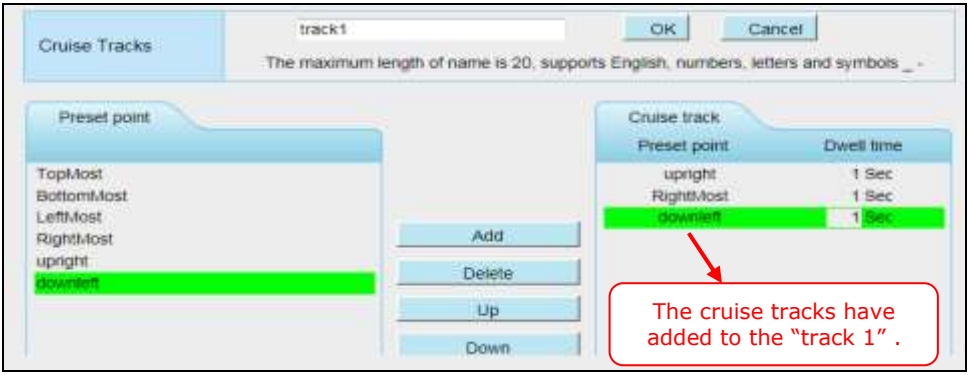


Figure 6.68

After add the cruise track, back to the surveillance window, click Cruise, here you can see all cruise tracks you have added.

Figure 6.69

There are other buttons between the Preset points and Cruise track, you can use these buttons to adjust the order of preset points or add/delete one preset points in one cruise track.

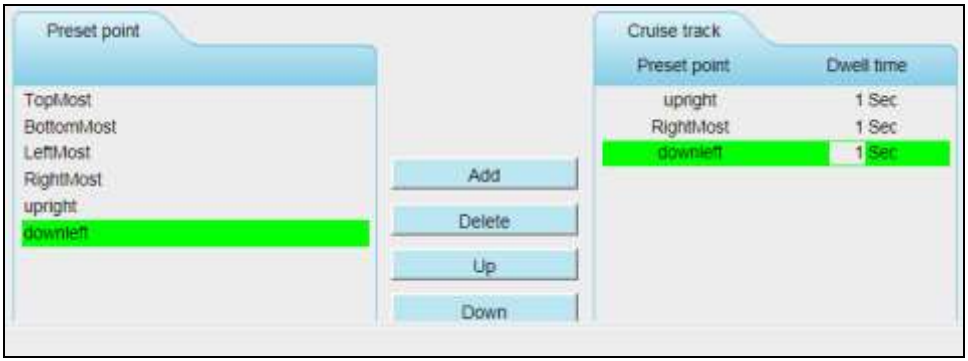


Figure 6.70

Add: Select one preset points and add it to the selected cruise track.
Delete: Select one preset points you have added to one cruise track, click delete.
Move up/ down: Select one cruise track, adjust the order of preset points in one cruise track.
Attention: Considering the life time and thermal issue of the motor, it's not recommend to do long-time cruise.

6.7.3 Start-Up Options
Here section will allow you to set the stop position after the camera reboots.

It supports three modes: Disable Start-Up, Go To Home Position and Go To Preset Position.

Disable Start-Up: When rebooting, the camera will not pan / tilt.
Go To Home Position: When rebooting, the camera will pa Providing Central Management Software to manage or monitor multi-cameras n / tilt and stops at center.
Go To Preset Position: Select one preset position and save it. When rebooting, the camera will pan/ tilt and stops at the preset position you have set.

Figure 6.71

6.8 Firewall

This section explains how to control the access permission by checking the client PC's IP addresses. It is composed of the following columns: Block access from these IP addresses and Only allow access from these IP addresses..

Figure 6.72

Enable firewall, If you select Only allow access from these IP addresses and fill in 8 IP addresses at most, only those clients whose IP addresses listed in the Only allow access from these IP addresses can access the Network Camera. If you select Block access from these IP addresses, only those clients whose IP addresses are in the IP list cannot access the Network Camera.

Click Save to take effect.

6.9 System

In this panel, you can backup/restore your camera settings, upgrade the firmware to the latest version, restore the camera to default settings and reboot the device.

6.9.1 Back-up& Restore

Click Back-up to save all the parameters you have set. These parameters will be stored in a bin file for future use.

Click Browse and select the parameters file you have stored, then click Submit to restore the restore the parameters.

Figure 6.73

6.9.2 System Upgrade

Your current firmware version will be displayed on your screen. You may go to the Device Status → Device Information Page to check for the latest firmware versions available.

Click Browse, choose the correct bin file and then click System upgrade. Make sure you have unplugged the SD card. Don't shut down the power during upgrade. After upgrading, you can see the upgrade result.

Figure 6.74

Upgrade Firmware by IP Camera Tool

Double click the IP Camera Tool shot icon , select the Camera IP that you want to upgrade the firmware. Then select Upgrade Firmware and enter the username and password, choose the firmware file, and upgrade.

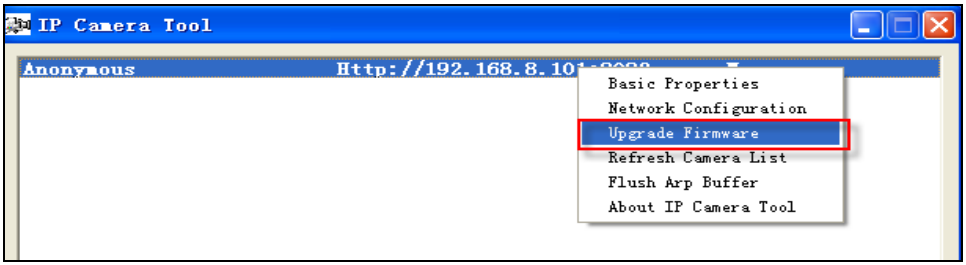


Figure 6.75

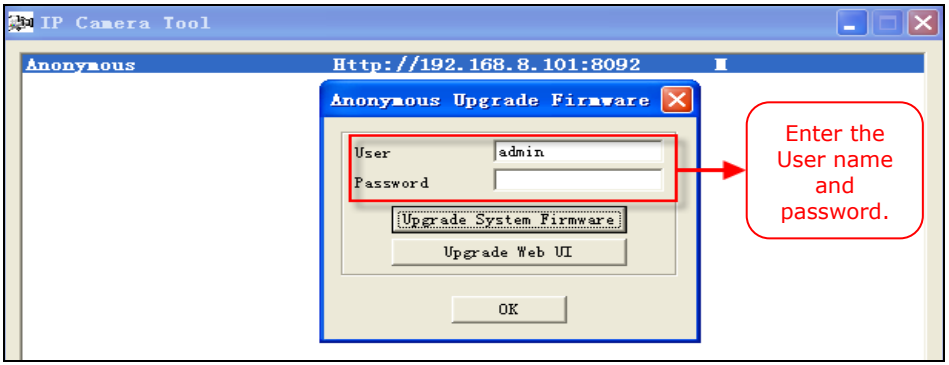


Figure 6.76

CAUTION: If your camera works well with the current firmware, we recommend not upgrading. Please don't upgrade the firmware unnecessarily. Your camera may be damaged if mis-configured during an upgrade.

NOTE:
1) Before upgrade the firmware, please unplug the SD card and reboot the camera, don't upgrade the firmware in WAN through the web UI, or else the upgrade process may be failed.
2) Please ensure you have download the correct firmware package for your camera before upgrading. Read the upgrade documentation (readme.txt file) in the upgrade package before you upgrade.
3) Upon downloading the firmware check the sizes of the .bin files. They must match the size in the readme.txt file. If not, please download the firmware again until the sizes are the same. Your camera will not function correctly if a corrupt .bin file is used.
4) Normally, only Device WEB UI need to be upgrade, please do not try to upgrade the Device System Firmware.
5) Never shut down the power of the camera during upgrade until the IP camera restart and get connected.
6) After upgrade successfully, please uninstall the old plugin and re-install it, then reset the camera to the default factory settings before using the camera.

4.9.3 Patch Installation
Click "Browse" to select the correct patch file, and then click "Install Patch" to install the patch. Do not turn off the power during it installing. After installing is complete, you will receive a system prompt.

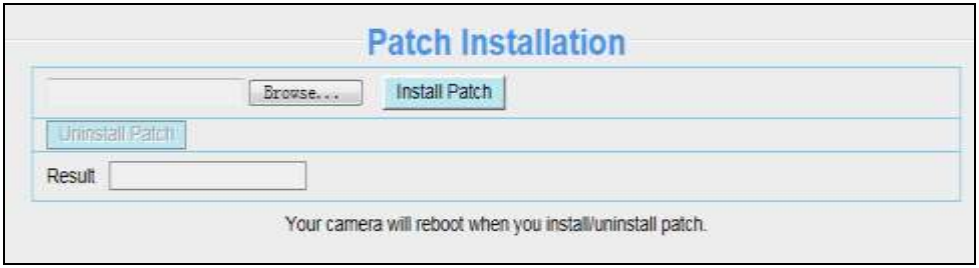


Figure 6.77

6.9.4 Factory Reset
Click All reset and all parameters will return to factory settings if selected. This is similar to press the Reset button on the bottom of the camera.

Figure 6.78

6.9.5 Reboot
Click Reboot System to reboot the camera. This is similar to unplugging the power to the camera.

Figure 6.79

7. APPENDIX

7.1 Frequently Asked Questions

NOTE: Any questions you would meet, please check Network connections firstly. Check the working status revealed by the indicators on the network server, hub, exchange and network card. If abnormal, check the network connections.

7.1.1 How to download and install the ActiveX for Firefox users
For the first time login the camera, it may prompt you to download plugin.

Figure 7.1

Drag the download file to Firefox web page and it will prompt you to Install it.

Software Installation
Install add-ons only from authors whom you trust.
Malicious software can damage your computer or violate your privacy.
You have asked to install the following item:
npIpcam (Author not verified)
file:///G:/Documents%20and%20Settings/huangHJ/Desktop/plugins.xpi
Click Install Now.
Install Now
Cancel

Figure 7.2

Reboot the Firefox after the plugin installation is successfully completely, then relogin the camera again, you can see the surveillance window.

NOTE: If you could not view living video after running the ActiveX, only a red cross in the centre of the video or just a black screen. Change another port number to try. Make sure all firewall or antivirus software on your computer does not block the active download and installation. If you are unable to run the ActiveX control, try shutting down the firewall or antivirus program.

7.1.2 How to download and install the ActiveX for Google Chrome users
For the first time login the camera, it will prompt you to download the ActiveX.

Figure 7.3

Download the plugin and drag it to the Extensions page of Google Chrome.

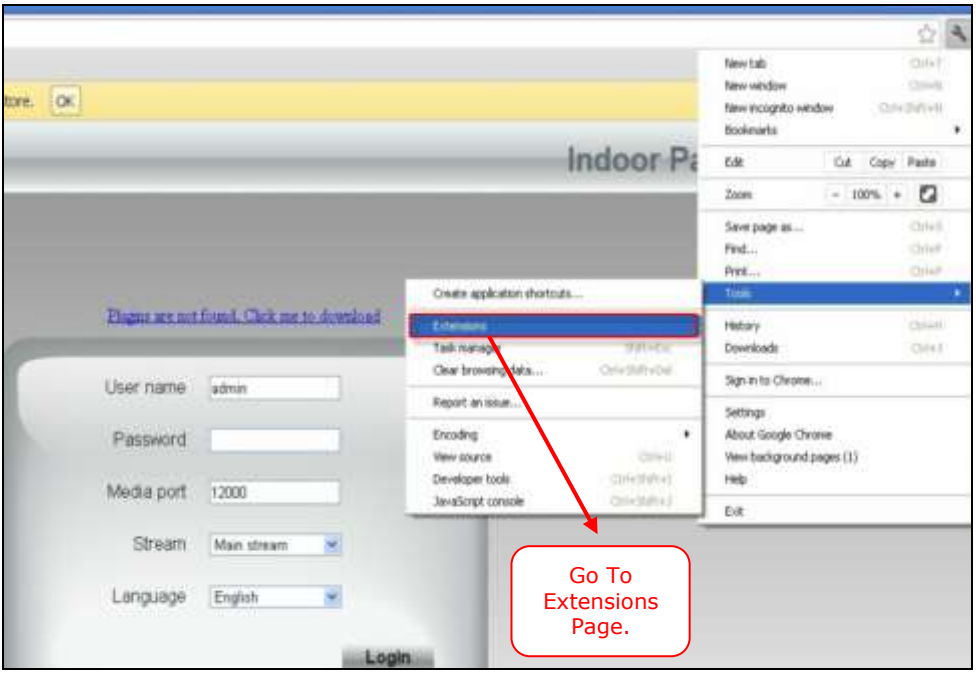


Figure 7.4

Click Add button to install the Plugins.

Figure 7.5

Reboot the browser and relogin the camera, you will see the surveillance window.

7.1.3 I have forgotten the administrator password

To reset the administrator username and password, press and hold down the RESET BUTTON for 5 seconds. Upon releasing the reset button, wait for 20 seconds, the camera will reboot and the username and password will return to the factory default administrator username and password. Please power on the camera before reset

Default administrator username: admin

Default administrator password: No password

7.1.4 Camera cannot record

Camera cannot record if click Record button or can't change the manually record path. When you use Windows7 or Vista, you may be not able to do manually record or change the record path because of the security settings of computer.

There are two ways to resolve this problem:

(1) Please add the camera as a trusted site to resolve this issue. The steps are
IE browser → Tool → Internet Properties → Security → Trusted sites → Sites → Add

(2) Open IE browser, then right click, select "Run as administrator"

7.1.5 Subnet doesn't match

Check whether your ipcamera in the same subnet of your computer. The step is Control Panel → Network Connections → Dbclick Local Area Connections → Choose General → Properties. Check subnet mask, IP address and gateways. When you set IP address please make sure they are in the same subnet. Otherwise you can't access camera.

7.1.6 No Pictures Problems

The video streaming is transmitted by the ActiveX controller. If ActiveX controller isn't installed correctly you will see no video image. You can resolve this problem by this way: Download ActiveX controller and set the safety property of IE in the PC when you view it first time: IE browser → Tool → Internet Proper → Security → Custom Level → ActiveX control and Plug-ins. Three options of front should be set to be "Enable", The ActiveX programs read by the computer will be stored. As follows:

Enable: Download unsigned ActiveX controls

Enable: Initialize and script ActiveX controls not marked as safe

Enable: Run ActiveX controls and plug-ins

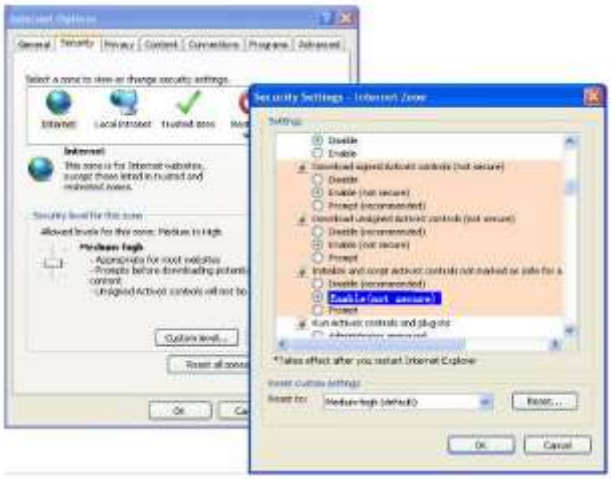


Figure 7.6

If you allow the ActiveX running, but still could not see living video. Please change another port number to try. Don't use port 8000.

Figure 7.7

NOTE: Make sure that your firewall or anti-virus software does not block the camera or ActiveX. If you could not see video, please shut down firewall or anti-virus software to try again.

7.1.7 Can't access IP camera in internet
There are some reasons:
1、ActiveX controller is not installed correctly
2、The port which camera used is blocked by Firewall or Anti-virus software. Please change another port number and try again.
3、Port forwarding is not successful
Check these settings and make sure they are correct.

7.1.8 UPnP always failed
UPnP only contains port forwarding in our recent software. Sometimes, it may be failed to do port forwarding automatically because of firewall or anti-virus software. It also has much relation with router's security settings. So we recommend you do port forwarding manually. You can view your camera in internet successfully after you do port forwarding manually in your router (Figure 6.29).

7.1.9 Camera cannot connect wireless
If your camera could not connect wireless after you set wireless settings and plug out the cable. Please check whether your settings are correct or not.
Normally, camera can't connect wireless mainly because of wrong settings.
Make sure broadcast your SSID; use the same encryption for router and camera.

7.1.10 Can't see other cameras listed
Can't see other cameras listed in multi-device when using remote access.
If you want to view all the cameras via the WAN, verify that each camera added in the multi-device settings can be accessed by using the DDNS name and port number. Use the DDNS domain name not the camera's LAN IP. (For more details see: How to add cameras in WAN)

7.2 Default Parameters
Default network Parameters
IP address: obtain dynamically
Subnet mask: obtain dynamically
Gateway: obtain dynamically
DDNS: Embedded domain name

Username and password
Default username is admin with a blank password

7.3 Specifications

ITEMS		IPV68P2P
Image Sensor	Sensor	High Definition Color CMOS Sensor
	Display Resolution	1280 x 960 (1.3 Megapixel)
	Min. Illumination	0 Lux (With IR Illuminator)
Lens	Lens Type	Glass Lens
	focal length	f:3.7~14.8mm
	Aperture	F1.6
	Angle of View	70° maximum
Video	Image Compression	H.264
	Image Frame Rate	30fps maximum, downward adjustable
	Resolution	(1.3Megapixel) 1280x960, 720P(1280x720), VGA(640x480), VGA(640x360), QVGA(320x240), QVGA(320x180)
	Stream	dual stream
	Image adjustment	The hue, brightness, contrast, saturation, sharpness are adjustable
	Flip image	flip and mirror
	Infrared mode	Automatic or manual
	Pan/Tilt Angle	Horizontal:355° & Vertical: 90°
	Night visibility	21pcs IR-LEDs, night vision range up to 20 meters
Audio	Input/Output	External 3.5mm standard interface for two-way audio
	Audio Compression	PCM/G.726
Network	Ethernet	One 10/100Mbps RJ45 port
	Wireless Standard	IEEE802.11b/g/n
	Data Rate	IEEE802.11b: 11Mbps(Max.); IEEE802.11g: 54Mbps(Max.); IEEE802.11n: 150Mbps(Max.).
	Wireless Security	WEP, WPA, WPA2
	Network Protocol	IP, TCP, UDP, HTTP, HTTPS, SMTP, FTP, DHCP, DDNS, UPnP, RTSP, ONVIF
System Requirements	Operating System	Microsoft Windows XP, Vista, 7, 8; Mac OS iOS、Android
	Browser	Microsoft IE7 and above version or compatible browser; Mozilla Firefox; Google Chrome; Apple Safari.
Other Features	Motion Detection	Alarm via E-Mail, upload alarm snapshot to FTP
	Privacy Zone	Set privacy zone manually
	User Accounts	Three levels user role
	Firewall	Supports IP Filtering
	Reset	Reset button is available
Power	Power Supply	DC 12V/2.0A
	Power Consumption	10Watts (Max.)
Physical	Dimension(LxWxH)	240(L)*140(W)*160(H) mm
	Net Weight	1800g
Environment	Operating Temper.	-20°C ~ 55°C (-4°F ~ 131°F)
	Operating Humidity	20% ~ 85% non-condensing
	Storage Temperature	-20°C ~ 60° (-4°F ~ 140°F)
	Storage Humidity	0% ~ 90% non-condensing
Certification	CE, FCC, RoHS	
Warranty	Limited 1-year warranty	

Attention: Power adapter should be used between -20 & -40℃, and 20%-90% relative humidity.

5.4 CE & FCC
Electromagnetic Compatibility (EMC)

FCC Statement

This device compiles with FCC Rules Part 15. Operation is subject to the following two conditions.

- This device may not cause harmful interference, and
- This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the installation manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is like to cause harmful interference, in which case the user will be required to correct the interference at his own expense.

FCC Caution
Any changes or modification not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

CE Mark Warning

This is a Class A product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

Questions? Please visit our website www.ebodeelectronics.eu
for FAQ and our contact details.

DECLARATION OF CONFORMITY

Hereby, ebode electronics, declares that this ebode IPV68P2P is in compliance with the essential requirements and other relevant provisions of the following Directives:

Directive 2004/108/EC of the European Parliament and of the Council of 15 December 2004 on the approximation of the laws of the Member States relating to electromagnetic compatibility

Directive 2006/95/EC of the European Parliament and of the Council of 12 December 2006 on the harmonization of the laws of Member States relating to electrical equipment designed for use within certain voltage limits

Directive 2002/95/EC of the European Parliament and of the Council of 27 January 2003 on the restriction of the use of certain hazardous substances in electrical and electronic equipment

Directive 2005/32/EC of the European Parliament and of the Council of 6 July 2005 establishing a framework for the setting of eco design requirements for energy-using

Technical data and copies of the original Declaration of Conformity are available and can be obtained from ebode electronics: PB 25, NL-4264ZG, the Netherlands.

CE

User Information for Consumer Products Covered by EU Directive 2002/96/EC on Waste Electric and Electronic Equipment (WEEE)

This document contains important information for users with regards to the proper disposal and recycling of ebode products. Consumers are required to comply with this notice for all electronic products bearing the following symbol:

Environmental Information for Customers in the European Union

European Directive 2002/96/EC requires that the equipment bearing this symbol on the product and/or its packaging must not be disposed of with unsorted municipal waste. The symbol indicates that this product should be disposed of separately from regular household waste streams.

It is your responsibility to dispose of this and other electric and electronic equipment via designated collection facilities appointed by the government or local authorities. Correct disposal and recycling will help prevent potential negative consequences to the environment and human health.

For more detailed information about the disposal of your old equipment, please contact your local authorities, waste disposal service, or the shop where you purchased the product.

DECLARATION OF CONFORMITY TO R&TTE DIRECTIVE 1999/5/EC for the European Community, Switzerland, Norway, Iceland and Liechtenstein

Product category: general consumer (category 3).

English: This equipment is in compliance with the essential requirements and other relevant provisions of the European R&TTE Directive 1999/5/EC

Deutsch [German]: Dieses Gerät entspricht den grundlegenden Anforderungen und den weiteren entsprechenden Vorgaben der Richtlinie 1999/5/EU.

Nederlands [Dutch]: Dit apparaat voldoet aan de essentiële eisen en andere van toepassing zijnde bepalingen van de Richtlijn 1999/5/EC.

Svenska [Swedish]: Denna utrustning står I överensstämmelse med de väsentliga egenskapskrav och övriga relevanta bestämmelser som framgår av direktiv 1999/5/EG.

Français [French]: Cet appareil est conforme aux exigences essentielles et aux autres dispositions pertinentes de la Directive 1999/5/EC

Español [Spanish]: Este equipo cumple con los requisitos esenciales asi como con otras disposiciones de la Directiva 1999/5/CE.

Português [Portuguese]: Este equipamento está em conformidade com os requisitos essenciais e outras provisões relevantes da Directiva 1999/5/EC.

Italiano [Italian]: Questo apparato é conforme ai requisiti essenziali ed agli altri principi sanciti dalla Direttiva 1999/5/CE.

Norsk [Norwegian]: Dette utstyret er i samsvar med de grunnleggende krav og andre relevante bestemmelser i EU-direktiv 1999/5/EF.

Suomi [Finnish]:Tämä laite täyttää direktiivin 1999/5/EY olennaiset vaatimukset ja on siinä asetettujen muiden laitetta koskevien määräysten mukainen.

Dansk [Danish]: Dette udstyr er i overensstemmelse med de væsentlige krav og andre relevante bestemmelser i Direktiv 1999/5/EF.

Polski [Polish]: Urządzenie jest zgodne z ogólnymi wymaganiami oraz szczególnymi warunkami okreslonymi Dyrektywą UE: 1999/5/EC

Also available from ebode: Bluetooth Speaker and Bluetooth receiver

Bluetooth Receiver

Transmit the music from your smartphone, tablet or laptop wireless to the BTR30. You easily hook this up to your amplifier, stereo set or your car audio system. Enjoy your favourite songs with all your friends at home, and on the go! In addition, the BTR30 can act as a Bluetooth® headset for your mobile phone and is compatible with most Bluetooth® devices.

Bluetooth LED LightSpeaker

The new generation of Bluetooth LED LightSpeaker is a bright mixture of combining music and LED lighting in one system. The BTL12 lets users play music throughout their homes and offices without wires. It integrates an efficient dimmable LED light and a wireless speaker in a single light bulb that can be controlled by any Bluetooth device like smartphone, tablet or laptop.

Audio FM Transmitter

Plug the FM Sound in your music player and send the music wireless to your radio. Turn the frequency of your radio and the frequency of the FM transmitter to the same channel and enjoy your favourite songs with all your friends and family. It's also possible to use the FM Sound with your car radio!

Audio FM Transmitter

Listen to your music player on your (car) radio. The FM-66 is a multifunctional Car MP3 Audio FM transmitter FM transmitter. Plug the FM-66 into your cigarette lighter, tune your radio to any free local FM channel and listen to your favourite songs. Also plays and transmits MP3 files from your USB disk and/or SD card. Easy to use and carry, enjoy your ride!

ebode is focusing on wireless audio and video products, that are affordable, innovative and plug & play. The products provide you with comfort in your home, help you to avoid wires, and make sure you can stream your personal audio and video to where ever you want to look or listen to it. For more ebode products and information, please visit www.ebodeelectronics.eu.

Also available from ebode: FM Transmitters and Infrared products

HDMI Splitters

In this range we present you the splitter 1x2 (HDSPLIT12) and 1x4 (HDSPLIT14) with high speed full HD1080p and 3D support! Split your HDMI signal simultaneously to two or four HDMI outputs. The splitter's HDMI connections support high speed 1.4a and Full HD1080p.

HDMI Switches

The functionfionality of those products is to allow multiple HDMI cables to be connected to a device that has limited number of HDMI inputs. We introduce you the HDSWITCH31 (switch 3x1) and HDSWITCH51 (switch 5x1) offering high speed full HD 1080p. 3D Support and 1.4a connections.

HD720P Indoor IP Camera

The IPV38P2P camera oers the latest generation of IP cameras with hassle-free. three steps set-up and installation, thanks to a unique QR code scanning method. The Pan and Tilt indoor camera with 11 IR-LEDs and automatic IR-LED takes care for Night Vision Range up to 8 meters. Includes IR-Cut Filter for automatically color correction. Free DDNS service embedded so live feeds are available wherever you are. Free IOS and Android App available.

HD720P Outdoor IP Camera

The IPV58P2P camera offers the latest generation of IP cameras with hassle-free. three steps set-up and installation,thanks to a unique QR code scanning method. The Waterproof (IP66) outdoor camera with 12 IR-LEDs and automatic IR-LED takes care for Night Vision Range up to 20 meters. Includes IR-Cut Filter for automatically color correction. Free DDNS service embedded so live feeds are available wherever you are. Free IOS and Android App available.

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